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MIDDLEBURY COLLEGE BULLETIN

THE CATALOGUE

1917–1918

MIDDLEBURY, VERMONT

PUBLISHED BY THE COLLEGE

SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER
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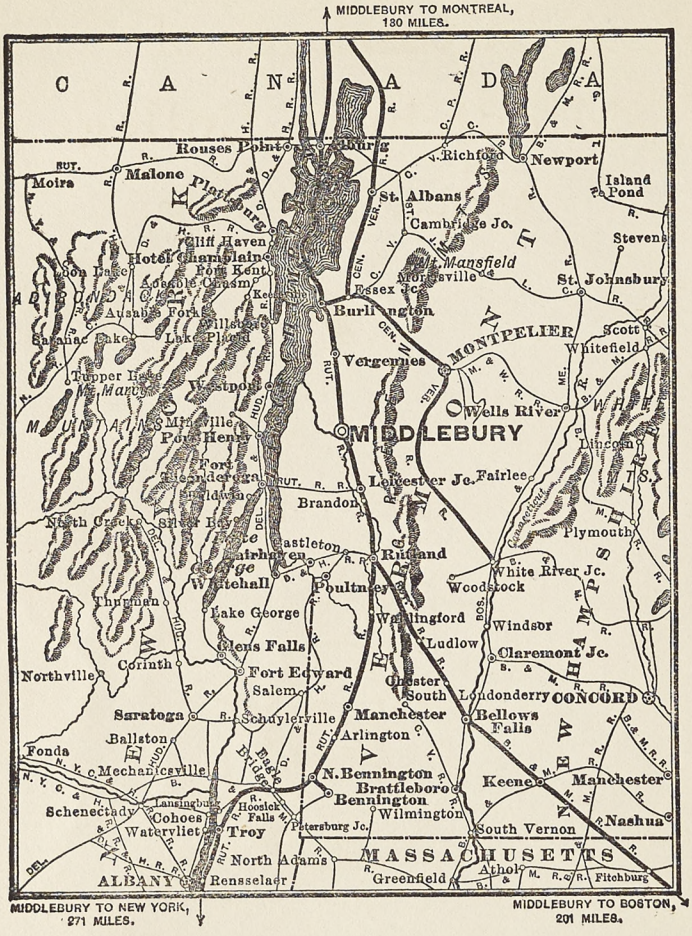

THE CENTRAL COLLEGE OF VERMONT

Equi-distant from the Northern and Southern Boundaries.
Halfway between Vermont's largest Cities.
On the Rutland Railroad.
Through Trains daily each way between New York and Boston and Montreal.
Fare (Mileage) from New York, $5.72; from Boston, $4.52.

A Catalogue of Middlebury College

Middlebury, Vermont

One Hundred and Eighteenth Year

1917–1918

Published by the College

1917

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CHARTER

OF MIDDLEBURY COLLEGE

STATE OF VERMONT

Isaac Tichenor Esquire Governor and Commander in Chief in, and over the State of Vermont. To all to whom these Presents shall come Greeting.

KNOW YE, That I the said Isaac Tichenor by virtue of Authority, in me vested, and in pursuance of a certain Act of the Legislature of said State passed the first day of November in the Year of our Lord eighteen hundred, entitled An Act incorporating and establishing a College at Middlebury in the County of Addison—do, by these Presents will, ordain, and grant, that there be, and there hereby is granted, instituted, and established, a College in the Town of Middlebury in the County of Addison in said State;—and that Messrs Jeremiah Atwater, Nathaniel Chipman, Heman Ball, Elijah Payne, Gamaliel Painter, Israel Smith, Stephen R. Bradley, Seth Storrs, Stephen Jacob, Daniel Chipman, Lot Hall, Aaron Leeland, Gershom C. Lyman, Samuel Miller, Jedediah P. Buckingham, and Darius Matthews, shall be an incorporate Society, or Body corporate and politic, and shall hereafter be called and known by the Name of the PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE—and that by the same name they and their successors shall, and may have perpetual succession;

and shall and may be persons capable in Law to be impleaded, defend, and be defended; answer and be answered unto; and also to have, take, possess, acquire, purchase, or otherwise receive Lands, tenements, hereditaments, goods, chattels, or estate; to grant, demise, lease, use, manage, or improve for the good and benefit of the said College according to the tenor of the donations.—

And that the President and Fellows, and their successors shall and may hereafter have a common seal, to serve and use for all causes, matters, and affairs of theirs, and their successors, and the same seal to alter, break, and make anew, as they shall think fit.—And I the said Isaac Tichenor do by these presents further will, ordain, constitute, and appoint that the said Jeremiah Atwater be, and he hereby is established the present President; and the said Nathaniel Chipman, Heman Ball, Elijah Payne, Gamaliel Painter, Israel Smith, Stephen R. Bradley, Seth Storrs, Stephen Jacob, Daniel Chipman, Lot Hall, Aaron Leeland, Gershom C. Lyman, Samuel Miller, Jedediah P. Buckingham, and Darius Matthews, shall be, and they are hereby established the present Fellows of the said College; and that they and their successors shall continue in their respective places during life, or until they, or either of them, shall resign, be removed, or displaced, as is hereinafter expressed.—

And I the said Isaac Tichenor do further will, ordain, and grant that there shall be a general meeting of the President and Fellows of the said College, in the said College House, on the first Tuesday of November annually, or at any other time and place which they

shall see cause to appoint, to consult, advise, and act, in and about the affairs and business of said College; and that on any special emergency, the President and two of the Fellows, or any four of the fellows may appoint a meeting of the said College—Provided they give notice thereof to the rest by letters sent and left with them, or at the places of their respective abodes, ten days before such meeting, and that the President and six Fellows, or in case of the death, absence, or incapacity of the President, seven Fellows convened as aforesaid (in which case the eldest Fellow shall preside) shall be deemed a meeting of the President and Fellows of said College; and that in all the said Meetings a major vote of the members present shall be deemed the act of the whole, and when an equi-vote happens, the President shall have a casting vote—That the President and Fellows of the said College, and their successors, in any of their meetings assembled as aforesaid, may, from time, as occasion shall require, elect and appoint a President or Fellows, and also the same remove, from time to time, for any misdemeanor, unfaithfulness, default, or incapacity, six of the said Corporation, at least, concurring therein; and shall have power to appoint a scribe, or register, a treasurer, tutors, professors, steward, and butler, and such other officers, and servants as are usually appointed in Colleges and Universities, as they shall find necessary and think fit to appoint, for promoting good Literature, and well ordering and managing the affairs of said College; and them, or any of them, at their discretion, to remove—And to prescribe and administer such forms of Oaths, not being contrary to the Constitution and laws of this State, or of the

United States, as they shall think proper to be administered, to all those Officers and Instructors of the said College, or to such, and so many of them as they shall think proper, for the faithful execution of their respective places, offices, and trusts.—

And that the said President and Fellows shall have the government, care and management of the said College, and of all matters and affairs thereto belonging; and shall have power from time to time, as occasion may require, to make, ordain, and establish all such wholesome, and reasonable laws, rules, and ordinances, not repugnant to the Constitution, and Laws of this State, or the United States, as they shall think fit and proper, for the instruction and education of the Students, and ordering, governing, ruling, and managing the said College, and all matters, affairs and thing thereto belonging; and the same to repeal and alter as they shall think fit, which shall be laid before the LEGISLATURE of this State, as often as required, and may also be repealed or disallowed by the said LEGISLATURE when they shall think proper.—

And that the President of said College with the consent of the Fellows, shall have power to give and confer all such honors, degrees, or licenses, as are usually given in Colleges or Universities, upon such as they shall think worthy thereof.—

And I the said Isaac Tichenor do further will and grant that all the lands and ratable estate, that does, or shall belong to the said College, not exceeding the yearly value of Two Thousand Dollars, lying in this State; and the persons, families, and estates of the

Presidents and Professors, lying and being in the Town of Middlebury, of the value of One Thousand Dollars, to each of said Officers, and the persons of the Tutors, Students, and such and so many of the servants of said College as give their constant attendance on the business of it, shall be freed and exempted from all rates, taxes, military service, working at highways, or other such like duties and services.—

In Testimony whereof I have caused the Public seal of the State of Vermont to be hereunto affixed.

Done at Middlebury this first day of November in the Year of our Lord One Thousand eight hundred, and of the Independence of the United States the twenty fifth.

By His Excellency's Command
Ros. Hopkins
Sec'y. of State ISAAC TICHENOR

THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE

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Auditor

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Ezra Brainerd
John A. Fletcher
John E. Weeks
Frank C. Partridge
Frank L. Fish

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William H. Porter
Frank C. Partridge
Herbert K. Twitchell

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Ezra Brainerd
Julian W. Abernethy
Brainerd Kellogg

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Boardman Professor of Philosophy

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Assistant Professor of History

DUANE LEROY ROBINSON, A.M.
Morton Professor of French

* Died May 4, 1917

† Died Dec. 12, 1916

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Jermain Professor of Government and Law

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MRS. WILLIAM MILLS
Superintendent of Women's Dining Hall and Matron of Pearsons Hall and Battell Cottage

MRS. MAUD O. MASON
Matron of Hepburn Hall

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ADMINISTRATION

Wright, MacGilton, Bryant, Robinson, Wiley

CURRICULUM

Collins, Burrage, Howard, Davison, Foye,
Miss Graham

ADMISSION

Cady, Robinson, White, Wiley, Hamlin

GRADUATE WORK

Sanford, McFarland, White, Davis, Naylor

LIBRARY

Abbott, Skillings, Sanford, Hathaway, Haller

ATHLETICS

Swett, Bonney, Voter, Lawrence, Dr. Ross

STUDENT LIFE

McFarland, Harrington, Wiley, Miss Ross,
Dr. Ross

STUDENT RESIDENCES

Perkins, MacGilton, Bryant, Cady, Bonney

ADMISSION

PREPARATION FOR COLLEGE

IT is the desire of Middlebury College to relate its work to that of high schools and academies by offering admission, as far as possible, to students who have completed in a creditable manner a four years' course of study in a good secondary school. The College does not wish to dictate what studies shall be pursued in high school, and in the matter of admission credits will deal fairly with any subject which principals, teachers, and governing boards of secondary schools think most useful for their pupils. For certain courses, however, certain subjects are prerequisites to work of college grade, and these are specified in the following sections.

While no general counsel can take the place of the advice of a principal who knows the student, it may be said that thorough training in the use of good English is indispensable in any high school course. Algebra, Geometry, and at least one foreign language are essential to a preparatory scientific course. A preparatory classical course must contain Latin, and may well include Greek. Although Greek may be begun in College, the loss to the student who does not offer it for admission is greater than is often imagined, and the student who would devote special attention to literature, history, or philosophy is advised to fit himself in the language which is at the root of all modern culture.

METHODS OF ADMISSION

ADMISSION to College may be gained by either of two methods:

1. *By Certificate:*

a. Students in New England from schools upon the approved list of the New England College Entrance Certificate Board will be admitted on certificate of their high school principals. No total certification for less than seven points will be considered, but the seven points need not all be from one school. Blank certificates will be mailed to principals upon application.

b. Students outside of New England from schools upon the approved lists in their respective states will be admitted on the same basis as those from approved schools in New England.

Schools not upon the approved list of the Certificate Board, but meeting its requirements in respect to curriculum, teaching staff, and equipment, may, for the purpose of showing their standard of certification, send one or more students on certificate, if arrangements for so doing are concluded with the Board before April 1. Inquiries on this subject may be addressed to Professor Frank W. Nicolson, Secretary of the Board, Wesleyan University, Middletown, Ct.

c. Students who have taken the examinations of the College Entrance Examination Board may present certificates from the Board and will be given credit for all courses in which they have attained 60 per cent, the passing grade of the College. All applications for the Board examinations, which will be held in June, 1918, must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th St., New York, and must be

made upon a blank form to be obtained from the Secretary of the Board, for examinations at points in the United States on or east of the Mississippi River. The examination fee is $5.

d. Students who have passed the examinations of the Board of Regents of the State of New York will be credited upon certificate for all such courses.

2. *By Examination:*

These examinations are of two kinds:

Method I. Students using this method must take examinations in all subjects offered for entrance. It may also be used to make up deficiencies due to partial certification.

Method II. Students using this method may be admitted after successfully passing examinations in certain assigned subjects. Regulations concerning both these methods are given in the following pages. Examinations are held at Middlebury in June and September. It is also possible to take the examinations in June under the supervision of the candidate's high school principal. Inquiries concerning the examinations should be made of the Chairman of the Admission Committee.

REQUIREMENTS FOR ADMISSION

DEFINITION OF ADMISSION POINTS

LATIN: Four points required for admission to the A.B. Course; two, three, or four optional for admission to the B.S. Course.

In general, that proficiency in the subject is required which results from a study of Latin in a systematic course of five lessons a week for four school years.

Grammar and Composition. The requirement is that there shall be in memory a vocabulary of the prose authors

which have been read in the school, a masterful knowledge of the inflections, including the common irregular forms, and such familiarity with the rules of syntax as shall enable the candidate to write simple Latin prose. The proficiency expected is such as is gained by continual exercises in prose composition during all the years of preparation.

The authors and amounts to be carefully studied in the class-room are as follows: Caesar: *Gallic War*, Books I–IV; or connected readings from Caesar: *Gallic War*, *Civil War*, and Nepos: *Lives*, not less in amount than Caesar: *Gallic War*, Books I–IV.

Cicero: *Orations against Catiline*, *Poet Archias*, and the *Manilian Law;* or connected readings from Cicero: *Orations*, *Letters*, *De Senectute*, and Sallust: *Catiline*, *Jugurthine War*, not less in amount than the four *Orations against Catiline*, *Poet Archias*, and the *Manilian Law*.

Vergil: *Aeneid*, Books I–VI; or Vergil: *Aeneid*, Books I, II, IV, or VI, and 2500 additional verses of any work of either Vergil or Ovid.

The examination will contain (1) passages for translation from the authors suggested above; (2) sight passages suited to the proficiency resultant from the reading of authors indicated above; (3) questions on forms, syntax, literature, history, and prosody of the passages. Special importance will attach to the candidate's ability to deal intelligently with forms and syntax.

In the preparatory work, too much emphasis cannot be placed on accurate and continued reading of the Latin, on the thorough memorizing of a few attractive passages of text, and on constant drill at the board in composition and syntax, especially such as finds illustration in the passages memorized.

For the convenience of candidates the examination may be divided into Preliminary and Final, to be taken in successive years.

GREEK: Three points, optional.

The examination in Greek presupposes a three years' course of five exercises a week. It may be divided between two successive years. The authors set for examination are Xenophon: *Anabasis*, Books I–IV; Homer: *Iliad*, Books I–III, omitting the Catalogue.

The examination in Homer and Xenophon will contain also sight passages from both these authors, and questions on prosody, literature, history, and antiquities. There will also be an examination in Grammar and Composition, testing the candidate's knowledge of meanings, forms, and syntax and his ability to write detached sentences. This examination will be based on a passage taken from somewhere in the second book of the *Anabasis*, and presupposes daily drill continued through two years.

GERMAN: Three points, optional.

Examinations will include a practical test on oral and aural training; schools certifying candidates for admission will be required to state in the certificate whether the candidate has had proper training of this kind, and the attention of teachers is specially called to this requirement. By oral and aural training is meant that the candidate has been constantly trained in pronunciation, dictation, and free reproduction (at first in English and later in German) of German anecdotes read aloud by the teacher. No credit will be given for certificates of admission covering a shorter course than that prescribed in the Elementary requirement as stated below, except to candidates offering four years of Latin and three of Greek.

I. Elementary: *Two points.*

The Elementary requirement embraces a systematic course of four or five periods a week, extending over two school years.

During the first year the work should comprise: (1) careful and continuous training in oral and aural elements, including drill in pronunciation, writing German from dictation, reproducing in English German anecdotes read aloud by the teacher, simple questions and answers on the reading-matter; (2) memorizing and frequent repetition of common idiomatic expressions; (3) drill upon inflection of adjectives with nouns, of pronouns, weak verbs, and the more common strong verbs; upon word order and the use of the modal auxiliaries and the more common prepositions; (4) the reading of 75 to 100 pages of easy prose, with constant practice in retroversion (the teacher translating a sentence from a review passage into English and the pupil turning it back into the exact German of the text) and in translating into German easy variations of sentences selected from the reading lesson (the teacher giving the English).

During the second year the work should comprise: (1) the reading of 150 to 200 pages of easy prose, it being recommended that none of the classic drama be read in the second year; (2) continuation of the oral and aural training of the first year; (3) accompanying practice in retroversion and free reproduction, and translation into German of easy variations of short and easy selected passages; (4) continued drill upon the rudiments of grammar.

II. INTERMEDIATE: *One point.*

The Intermediate requirement calls for a third year's work, which should comprise, in addition to the Elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice, as in the Elementary course, in oral and aural elements, and in giving paraphrases or reproductions from memory of selected portions of the reading-matter; also grammatical drill upon the less usual strong verbs, use of articles, cases, auxiliaries of all kinds, tenses, and modes (with special reference to the

infinitive and subjunctive), and likewise upon word order and word formation.

By the end of the third year the student should be able to dispense, for the most part, with translating into English.

For suggestions as to good reading-matter for both the Elementary and the Intermediate course, the *Report of the Committee of Twelve* (D. C. Heath and Co., Boston) is recommended.

FRENCH: Three points, optional.

Examinations will include a practical test in oral and aural training; schools certifying candidates for admission will be required to state on the certificate whether the candidate has had proper training of this kind, and the attention of teachers is specially called to this requirement. By oral and aural training is meant that the candidate has been constantly trained in pronunciation, dictation, and the free reproduction (at first in English and later in French) of anecdotes read aloud in French by the teacher. No credit will be given for certificates of admission covering a shorter course than that prescribed in the Elementary course as stated below, except to candidates offering four years of Latin and three years of Greek.

ELEMENTARY: *Two points.*

The Elementary requirement embraces a systematic course of four or five periods a week, extending over two school years. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, and the elementary rules of syntax, with constant drill upon exercises illustrating these principles; (3) the reading of at least 100 pages of graduated texts, with constant practice in writing in French easy sentences based on the texts read, and in free reproduction; (4) simple conversation, and the writing of French prose from dictation.

The work of the second year should include: (1) the reading of at least 200 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, and in the writing of sentences illustrative of syntactical principles; (6) conversation, and the answering in French by the student of questions based on the text read; (7) retroversion and original composition.

INTERMEDIATE: *One point.*

The Intermediate requirement implies a systematic course of four or five periods a week, extending over a third school year. The work should comprise: (1) the reading of at least 400 pages of French of ordinary difficulty; (2) constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; (3) the study of a grammar of moderate completeness; (4) writing from dictation; (5) a continuation of the drill of the previous years in oral and aural training. During this year French should be, as far as possible, the language of the class-room, and by the close of the year students should be able to read intelligently, without translation, ordinary French prose or poetry.

SPANISH: Two points, optional.

Examinations will include a practical test on oral and aural training; schools certifying candidates for admission will be required to state in the certificate whether the candidate has had proper training of this kind, and the attention of teachers is specially called to this requirement. By oral and aural training is meant that the candidate has been constantly trained in pronunciation,

dictation, and free reproduction (at first in English and later in Spanish) of Spanish anecdotes read aloud by the teacher. No credit will be given for certificates of admission covering a shorter course than that prescribed in the requirement as stated below, except to candidates offering four years of Latin and three of Greek.

The requirement embraces a systematic course of four or five periods a week, extending over two school years. During the first year the work should comprise: (1) accurate pronunciation and (2) the ability to read at sight easy prose and to put into Spanish simple English sentences; (3) the rudiments of grammar, involving the common verb forms and the simpler uses of modes; the use of articles, pronouns, common adverbs, prepositions and conjunctions, word order; (4) the preparation should include, beside the mastery of a good elementary textbook, the reading of 100–150 pages of easy Spanish; (5) simple conversation, and the writing of Spanish prose from dictation.

During the second year the work should comprise: (1) additional reading of from 200–250 pages of prose and verse of ordinary difficulty; (2) continued drill in oral and written translations into Spanish of variations of the text read, and (3) in oral translation and writing of Spanish from dictation; (4) continued drill on the essentials of grammar: all but the rare irregular verb forms should be mastered and also the uses of the modes and tenses; (5) composition as suggested above, supplementing exercises illustrative of the grammatical principles studied; (6) conversation.

ENGLISH: Three points. The requirements recommended by the Commission of Colleges in New England on Admission Examinations.

A. Reading

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections* are to be made, except as otherwise provided under Group I.

I. Classics in Translation. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther. The *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII. The *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI. The *Aeneid*. (The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.)

For any selection from the above group a selection from any other group may be substituted.

II. Drama. Shakespeare: *Midsummer Night's Dream. Merchant of Venice. As You Like It. Twelfth Night. The Tempest. Romeo and Juliet. King John. Richard II. Richard III. Henry V. Coriolanus. Julius Caesar.*† *Macbeth.*† *Hamlet.*†

III. Prose Fiction. Malory: *Morte d'Arthur* (about 100 pages). Bunyan: *Pilgrim's Progress*, Part I. Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag). Defoe: *Robinson Crusoe*, Part I. Goldsmith: *Vicar of Wakefield.* Frances Burney: *Evelina.* Scott's Novels: any *one.* Jane Austen's Novels: any *one.* Maria Edgeworth: *Castle Rackrent* or *The Absentee.* Dickens's Novels: any *one.* Thackeray's Novels: any *one.* George Eliot's Novels: any *one.* Mrs. Gaskell: *Cranford.* Kingsley: *Westward Ho!* or *Hereward, the Wake.* Reade: *The Cloister and the Hearth.* Blackmore: *Lorna Doone.* Hughes: *Tom Brown's School Days.* Stevenson: *Treasure Island, Kidnapped,* or *The Master of Ballantrae.* Cooper's Novels: any *one.* Poe: *Selected Tales.* Hawthorne: *The House of the Seven Gables, Twice*

* Each selection is set off by periods.

† If not chosen for study under B.

Told Tales, or *Mosses from an Old Manse*. A collection of *Short Stories* by various standard writers.

IV. Essays, Biography, etc. Addison and Steele: *The Sir Roger de Coverley Papers*, or selections from *The Tatler* and *The Spectator* (about 200 pages). Boswell: Selections from the *Life of Johnson* (about 200 pages). Franklin: *Autobiography*. Irving: Selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*. Southey: *Life of Nelson*. Lamb: Selections from the *Essays of Elia* (about 100 pages). Lockhart: Selections from the *Life of Scott* (about 200 pages). Thackeray: Lectures on *Swift*, *Addison*, and *Steele* in the *English Humourists*. Macaulay: any *one* of the following essays: *Lord Clive*, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederick the Great*, *Madame d'Arblay*. Trevelyan: Selections from the *Life of Macaulay* (about 200 pages). Ruskin: *Sesame and Lilies* or *Selections* (about 150 pages). Dana: *Two Years before the Mast*. Lincoln: *Selections*, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln. Parkman: *The Oregon Trail*. Thoreau: *Walden*. Lowell: *Selected Essays* (about 150 pages). Holmes: *The Autocrat of the Breakfast Table*. Stevenson: *An Inland Voyage* and *Travels with a Donkey*. Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk. A collection of *Essays* by Bacon, Lamb, De Quincey, Hazlitt, Emerson, and later writers. A collection of *Letters* by various standard writers.

V. Poetry. Palgrave: *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns. Palgrave: *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B). Goldsmith: *The Traveller* and *The Deserted Village*.

Pope: *The Rape of the Lock.* A collection of English and Scottish *Ballads:* as, for example, some *Robin Hood* ballads, *The Battle of Otterburn, King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens,* and a selection from later ballads. Coleridge: *The Ancient Mariner, Christabel,* and *Kubla Khan.* Byron: *Childe Harold,* Canto III or IV, and *The Prisoner of Chillon.* Scott: *The Lady of the Lake* or *Marmion.* Macaulay: *The Lays of Ancient Rome, The Battle of Naseby, The Armada,* and *Ivry.* Tennyson: *The Princess,* or *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur.* Browning: *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—",* and *Instans Tyrannus.* Arnold: *Sohrab and Rustum* and *The Forsaken Merman.* Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. Study

One selection to be made from each group.

I. Drama. Shakespeare: *Julius Caesar, Macbeth, Hamlet.*

II. Poetry. Milton: *L'Allegro, Il Penseroso,* and either *Comus* or *Lycidas.* Tennyson: *The Coming of Arthur, The Holy Grail,* and *The Passing of Arthur.* The selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

III. Oratory. Burke: *Speech on Conciliation with America.* Macaulay's *Speech on Copyright* and Lincoln's *Speech at Cooper Union.* Washington's *Farewell Address* and Webster's *First Bunker Hill Oration.*

IV. Essays. Carlyle: *Essay on Burns,* with a selection from Burns's *Poems.* Macaulay: *Life of Johnson.* Emerson: *Essay on Manners.*

HISTORY: Three or five points, optional.

1. Greek History: *One-half point.*

The history of Greece to the death of Alexander.

2. Roman History: *One-half point.*

The history of Rome through the reigns of the Antonines.

3. Medieval European History: *One-half point, or one point.*

To the fall of Constantinople.

4. Modern European History: *One-half point, or one point.*

From the fall of Constantinople.

5. English History: *One-half point, or one point.*

6. American History: *One-half point, or one point.*

Preparation in History will be given credit upon the basis of time devoted to each branch of the subject, rather than upon the amount of ground covered. The training in History should require comparison and the use of judgment on the pupil's part, rather than the mere exercise of memory. Good text-books, collateral reading, practice in writing, and accurate geographical knowledge are essential.

CIVICS: One-half point, optional.

A half-year's study in the principles, methods, and usages of American government.

ECONOMICS: One-half point, optional.

A high school course in Economics should run throughout the year, five periods a week. No absolute standard can be named as regards content. The course should emphasize the fundamental principles, avoiding the controversial

features of the theory, and give as much attention as possible to the concrete facts of the business world.

MATHEMATICS: Three and one-half points, two and one-half points required.

a. ALGEBRA: *One and one-half points.*

(1) To Quadratics: *One point.*

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions, ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negative.

(2) Quadratic Equations, Binomial Theorem, and Progressions: *One-half point.*

Simple cases of equations with one or more unknown quantities that can be solved by the methods of linear or quadratic equations. Problems depending upon quadratic equations. The binomial theorem for positive integral exponents. The formulas for the *n*th term and the sum of the terms of arithmetic and geometric progressions, with applications.

b. PLANE GEOMETRY: *One point.*

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. The solution of numerous original exercises, including loci problems. Application to the mensuration of line and plane surfaces.

c. Solid Geometry: *One-half point, optional.*

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

d. Logarithms and Plane Trigonometry: *One-half point, optional.*

(1) Definitions of the functions of an acute angle; relations between these functions; proof of identities and solution of equations based upon these relations. Solution of right triangles by the use of logarithms; application to practical problems.

(2) Definitions and periodicity of the functions of any angle.

(3) Derivation of the formulas for the functions of A + B, 2A, and $\frac{1}{2}$A. Application of these formulas in proving identities and solving equations. Inverse functions.

(4) Derivation of the Laws of Sines, Cosines, and Tangents. Solution of oblique triangles by the use of logarithms.

PHYSICS: One point, optional.

Preparation in Physics should include:

(1) The study of at least one standard text-book, supplemented by the use of many and varied numerical problems, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws in Elementary Physics.

(2) Instruction, by lecture-table demonstrations, upon the general principles involved in the pupil's laboratory investigations.

(3) Individual laboratory work, comprising at least thirty-five exercises. Every candidate must present as a

part of the examination a note-book, certified by the teacher, and containing in the candidate's own language a description of his laboratory exercises, the steps, observations, and results of each exercise being carefully recorded. The note-book must afford clear evidence of the pupil's ability to make accurate observations and to draw correct conclusions. Students who have not had the individual laboratory work may receive credit for one-half point.

CHEMISTRY: One point, optional.

The preparation in Chemistry should include individual laboratory work, comprising at least forty exercises selected from a list of sixty or more; instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations; the study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of Elementary Chemistry. Students who have not had the individual laboratory work may receive credit for one-half point.

BOTANY: One-half point, optional.

A half-year's text-book study of the morphology and physiology of seed and seedling, stem, root, leaf, flower, and fruit, together with the preparation of a note-book containing accurate laboratory studies on the morphology of the above organs.

PHYSIOLOGY: One-half point, optional.

The preparation in Physiology should include a study of the nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration; the motor, nervous, and sensory functions; and the structure of the various organs by which

these operations are performed. A note-book with careful outline drawings of the chief structures studied anatomically, together with explanations of these drawings, and the study of a good text-book are essential.

ZOÖLOGY: One-half point, optional.

A half-year's work in general natural history of common animal types; physiology of types studied and comparison of processes of animals and plants; classification of animals into phyla and leading classes, and the great characteristics of these groups; preparation of a note-book containing accurate laboratory studies of types, such as protozoan, sponge, hydra, worm, clam, insect, frog.

PHYSICAL GEOGRAPHY, OR PHYSIOGRAPHY: One-half point, optional.

One-half year in the study of a good modern text-book, together with weekly laboratory and field exercises.

ASTRONOMY: One-half point, optional.

A half-year's work, including the following among the chief topics: *The Celestial Sphere:* designation of the directions of a heavenly body. *The Earth:* its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar. *The Moon:* its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses. *The Sun:* its rotation, physical characteristics, light, and heat. *The Planets:* apparent and real motions, individual characteristics. *The Law of Gravitation:* its control of the solar system; the tides. *Comets and Meteors:* their nature and motions. *The Stars:* designation, classification by constellations; motions, distance, brightness; variables. *Stellar Systems:* clusters, nebulae; the stellar universe, cosmogony.

FREE–HAND DRAWING: One point, optional.

A full year's work in drawing should include simple geometrical plane and solid figures, the simple pieces of machinery, with a fair knowledge of the rules of perspective and light and shade as applied in free-hand sketching. The student should complete at least twenty drawings.

MECHANICAL DRAWING: One point, optional.

At least eighty hours should be presented for credit in Mechanical Drawing. The work should cover the use of the instruments, simple geometrical drawings, projection drawings of solids and simple machine parts (or its equivalent), penciling, and inking. It is desirable that the applicant should have some instruction in lettering and proper dimensioning. He should be able to read simple drawings. Plates must be presented to show the ground covered and the quality of the work. These should be certified by the instructor.

CERTIFICATION AND EXAMINATION METHOD I

For admission to either course by certificate or by Examination Method I, fourteen points, or admission credits, are required. A point is a preparatory subject pursued one year with five recitation periods a week. Nine and one-half points in each course are required; the remainder of the fourteen may be made up from the list of options.

There can be no substitutions for the required points. Equivalents up to two points may be offered for the optional points, but these equivalents must meet the approval of the College as to both the quantity and the quality of the work done.

The required and optional subjects are indicated below.

REQUIRED POINTS

FOR THE A.B. COURSE		FOR THE B.S. COURSE	
Latin	4	English	3
English	3	Latin, German, or French	2
Algebra	1½	Algebra	1½
Geometry	1	Geometry	1
		Two points from the following list:	
		Physics	1
		Chemistry	1
		Botany	½
		Physiology	½
		Zoölogy	½
		Physical Geography	½
		Astronomy	½
		Solid Geometry	½
		Plane Trigonometry	½

OPTIONAL POINTS

(*Any four and one-half for either course*)

Latin	2, 3, or 4	Economics	½
Greek	2 or 3	Solid Geometry	½
German	2 or 3	Plane Trigonometry	½
French	2 or 3	Physics	½ or 1
Spanish	2 or 3	Chemistry	½ or 1
Greek History	½	Botany	½
Roman History	½	Physiology	½
Medieval European History	½ or 1	Zoölogy	½
Modern European History	½ or 1	Physical Geography	½
English History	½ or 1	Astronomy	½
American History	½ or 1	Mechanical Drawing	1
Civics	½	Free-hand Drawing	1

EXAMINATION METHOD II

To be admitted under this plan, a candidate

1. Must present evidence of an approved school course satisfactorily completed; and
2. Must show in four examinations as explained below that his scholarship is of satisfactory quality.

SCHOOL RECORD

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

(*a*) The subjects studied by him and the ground covered;
(*b*) The amount of time devoted to each;
(*c*) The quality of his work in each subject.

To be approved, this statement must show

(*a*) That the candidate has satisfactorily completed a four-year secondary school course;

(*b*) That his course has been concerned chiefly with languages, science, mathematics, and history;

(*c*) That two of the studies of his school programme have been pursued beyond their elementary stages, *i.e.*, to the stage required by the present advanced examinations of Middlebury College.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examination in four subjects, as follows:

(*a*) English;

(*b*) Latin or Greek; or, for a candidate for the B.S. degree, two years of Latin, French, German, or Spanish;

(*c*) Mathematics, or Physics, or Chemistry;

(*d*) Any subject, not already selected under (*b*) or (*c*), from the following list: Greek, French, German, Spanish, History, Latin, Mathematics, Physics, Chemistry.

INSTRUCTIONS TO THOSE DESIRING TO BE ADMITTED UNDER METHOD II

All candidates except those eligible for certification are advised to use this method of entrance. Candidates who have taken advanced work in any subject in which they are examined must answer from the questions on the paper a certain number drawn from this advanced work. For instance, candidates who have had three years of French will be expected to answer the questions in the advanced section of the paper. Each person who examines papers of any candidate will be furnished with a copy of the candidate's

school record, and will return to the Admission Committee, with the candidate's paper, a judgment upon it in which the school record is taken into account.

Under this plan no entrance conditions can be incurred; either the candidate will be admitted without conditions, or he will be refused admittance. His total record must clearly show that he is a desirable student. No subject will be counted by itself; the basis of admission is the work as a whole. If the candidate is refused admission, he cannot be credited with certain examinations and allowed to complete the record at some future time. Subsequent application for admission will involve the repetition of all the examinations.

ENTRANCE CONDITIONS

STUDENTS entering by certificate may matriculate conditioned two points. Students entering entirely by Examination Method I must, before matriculation, take examinations covering twelve points and including the required subjects. They may, at the discretion of the Admission Committee, enter conditioned in not more than four points, only two of which may be in required subjects. Under Examination Method II, as already stated, entrance conditions cannot be incurred.

Entrance conditions may be removed by any of the following methods:

a. By examination. The regular entrance examinations of June and September furnish convenient opportunities for those wishing to avail themselves of this method.

b. By work in the Summer Session, if the necessary courses are given.

c. By an average of 80 per cent in all the work of the first semester, which will remove entrance conditions not exceeding two points. An average of 80 per cent in all the work of the second semester will remove conditions in excess of two points, provided in each case that the student's grade in no subject falls below 70 per cent.

d. By taking extra subjects in the second semester, in accordance with the rules.

e. By the operation of the following rule: Entrance conditions remaining at the opening of a student's second year will be canceled by deducting three credits from his college record for each unit or fraction thereof; but this shall not be construed as prejudicing any work that he may have done toward satisfying major and minor requirements, or in meeting his prescribed courses. After the opening of his second year, no student may take any examination to remove entrance conditions.

Detailed information for each student as to the time for removing entrance conditions, and the subjects available, may be obtained from the Admission Committee.

GENERAL DIRECTIONS

Applications for admission may be made upon forms furnished by the Chairman of the Admission Committee. After they have been received, the necessary blanks for admission by certificate or for application for examination by either plan will be sent out. Certificates are always sent to the principal of the school; other blanks are sent to the candidate. It will not be necessary for those who desire to combine admission

by certificate and by Examination Method I to file a separate application for examination, except as the Committee shall request.

ADMISSION
TO ADVANCED STANDING

A CANDIDATE for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, if he presents a detailed statement of his previous work. This statement should include a full list of preparatory subjects accepted for admission by the institution previously attended, and also a list of the subjects taken there for which credit has been attained. A letter of honorable dismissal from the institution last attended must also be presented.

Every other candidate for admission to advanced standing must first satisfy the entrance requirements of the course which he desires to enter. He may then receive credit for any subject included in the curriculum of that course in which he can pass a satisfactory examination. Such students, not coming from other colleges, will be required to pay a fee of $5 if admitted to the Sophomore class, or $10 if admitted to higher rank.

THE COLLEGE CURRICULUM

ORGANIZATION

THE courses of instruction offered by Middlebury College are organized in twenty-one departments. A brief description of each course will be found in another part of the Catalogue. The departments are arranged in three groups, as shown in the following table:

Group One	*Group Two*	*Group Three*
English	Economics	Biology
German	Fine Arts	Chemistry
Greek	History	Drawing and Surveying
Latin	Music	Geology
Romance Languages	Pedagogy	Home Economics
	Philosophy	Mathematics
	Physical Education	Military Art
	Political Science	Physics

Most of the courses offered in these departments are lettered A, B, or C. The letters refer to the value of the courses in completing major and minor requirements; admission to courses of advanced grade is gained only by completing one or more appropriate courses of lower grade which are designated prerequisites.

THE WORK OF THE FRESHMAN YEAR

EVERY member of the Freshman class is required to take English 1–2, Mathematics 1–2, and the required work in Physical Education; to choose three hours a week from the following courses: Greek 1–2 or 13–14, Latin 1–2, German, French, and Spanish;* and to complete the requirement of eighteen hours a week by electing from the following courses: Biology 1–2, Chemistry 1–2, Geology 1–2, History 1–2, Home Economics 1–2, Drawing and Surveying 1–2, Pedagogy 1–2 (or Pedagogy 1 and Philosophy 2), and Physics 1–2. Freshmen who give evidence by special examination that they are qualified to enter courses of higher grade in any department open to them are admitted to such courses.

Freshmen will be placed in those courses in modern language for which, in the judgment of the instructor, they are best fitted. No student will receive credit for doing work in college of the same grade as that for which he has already received entrance credit. In meeting requirements for graduation, but not in fulfilling the requirements of majors and minors, admission credits of two points in a modern language are rated as the equivalent of two beginners' courses, and admission credits of three points as the equivalent of two A courses.

*With these exceptions: (1) that a student who on entrance secures credit for three years of a modern language may substitute for three hours of the modern language requirement one of the electives open to Freshmen; and (2) that a candidate for the degree of Bachelor of Arts who completes the ancient language requirement by taking Latin may substitute for the modern language requirement its equivalent in Greek.

MAJORS AND MINORS

Upon the completion of his Freshman year, each student determines in a general way what his work shall be during the remainder of his college course, by registering his choice of two majors and two minors to be completed before he graduates. A major may be defined as a subject which a student elects to pursue in college through six lettered courses (18 hours) of one department, of which not more than two courses may be of A grade and not less than two shall be of C grade. A few courses may be counted toward fulfilling major requirements in either of two departments. These are specified in the descriptions of such courses. A minor consists of a subject which a student elects to pursue in college through four lettered courses (12 hours) of one department, of which not more than two courses may be of A grade. Lettered courses that have been taken in the Freshman year may be counted toward fulfilling major and minor requirements.

One purpose of the system of major and minor subjects of study is to secure for each student a sufficient distribution of his elective courses in the three main groups of instruction, so that he shall obtain that liberal culture which college training should impart, while at the same time he is enabled to concentrate his study in one or more fields sufficiently to attain in them a certain degree of specialization. This two-fold purpose is accomplished by the manner in which major and minor subjects are chosen. Three steps

should be carefully followed: in determining one's choice of majors and minors care must be taken that the two majors are chosen from different groups; that the two minors are likewise chosen from different groups; and that each of the three groups is represented.

FREE ELECTIVES

A STUDENT secures approximately one-half of the total number of credits required for graduation in fulfilling his major and minor requirements. The remaining credits necessary for graduation he may gain by the completion of any courses which are described as open to election by the class of which he is a member. With a few exceptions, all courses are open to election by two classes, and a large number of B courses are open to three classes. A few courses are unlettered. These may be chosen as free electives in the years designated and will be counted for credits toward graduation like other courses, but may not be counted toward fulfilling major and minor requirements except by special permission of the Curriculum Committee. Before registering, students should consult carefully the hours at which the different courses are scheduled to recite.

RECITATION REQUIREMENTS

THE normal number of courses of study required of each Sophomore, Junior, and Senior is five. The circumstances under which more or less than this number may be taken are explained in the rules. All courses, unless otherwise stated, are conducted three

hours a week, so that the customary amount of class-room work required of the three upper classes is fifteen recitation hours a week, exclusive of preparation. When satisfactorily completed, each hour of recitation a week for each semester counts one credit toward graduation. One hundred and twenty credits of appropriately selected work, exclusive of that required in the Department of Physical Education from the Class of 1919 and succeeding classes, must be completed for the attainment of either the degree of Bachelor of Arts or that of Bachelor of Science, the two baccalaureate degrees conferred by Middlebury College.

REQUIREMENTS FOR GRADUATION

The following courses must be included in the credits required for graduation: for every student one A course in English and two A courses in either French, German, or Spanish.* Every candidate for the degree of Bachelor of Arts must also complete two courses of B grade in Latin or Greek, and every candidate for the degree of Bachelor of Science must complete two courses of B grade in Mathematics. Members of the Class of 1919 and succeeding classes must also complete the requirement in Physical Education for Freshmen.

* Except that a candidate for the degree of Bachelor of Arts who completes the ancient language requirement by taking Latin may substitute for the modern language requirement courses of equivalent grade in Greek.

REGISTRATION

EVERY student is required to register his election of courses at the beginning of each semester. Upon the payment of his semester bills, he receives admittance cards to the courses elected. No student will be received in any recitation until he presents to the instructor in charge a card from the Registrar admitting him to the course. Students who have gained credits toward admission to college in any study which is offered in the curriculum will ordinarily be required to elect some other study in its place. This may be an advanced course in the same department or a course in some other department. A Freshman who is admitted to college without conditions may request of the Registrar, at the time he registers, that he be given an examination for college credit in any subject of the Freshman year. If he passes such an examination with a grade of 75 per cent, credit will be allowed for the course toward either degree. A student who passes any subject in this manner will be required to carry the normal number of recitations a week from the studies open to election by his class.

DEPARTMENTS AND COURSES OF INSTRUCTION

INSTRUCTION in all departments except that of Military Art is open to the students of the Women's College, on equal terms with the men, under the same conditions of election, and with the same requirements for graduation.

Classes meet three hours a week in all courses unless otherwise stated. Courses with odd numbers are given in the first semester, those with even numbers in the second semester. The capital letter following the title of a course indicates the grade of that course. No unlettered courses can be counted for majors or minors except by special permission of the Curriculum Committee. Prerequisite courses are shown in parentheses. A hyphen between two course numbers signifies that both are prerequisite. Bracketed courses will not be given in the current year. Not more than two courses in one department may be taken in any semester, except by permission of the Administration Committee.

BIBLE STUDY

Professor HARRINGTON

See History 15–16.

BIOLOGY

Assistant Professor HAMLIN

1. INTRODUCTORY ZOÖLOGY. A

A presentation of the general principles of biology from the viewpoint of animal structure. The plan of study includes protoplasm as fundamental living substance; the cell; the phenomena of growth and differentiation as illustrated by selected types of unicellular and multicellular animals. Lectures, recitations, selected readings, and the study of typical forms in the laboratory.

Laboratory fee, $5. *Freshmen and Sophomores*. T., Th., 10.30, 11.30; S., 11.30.

2. INTRODUCTORY BOTANY. A

An introduction to the study of biology from the viewpoint of plant structure. Lectures, recitations, and laboratory study of types illustrating the growth and differentiation of plants.

Laboratory fee, $5. *Freshmen and Sophomores*. T., Th., 10.30, 11.30; S., 11.30.

3. CRYPTOGAMIC BOTANY. B

A survey of the principal groups of the non-flowering plants. While the course is fundamentally systematic, special attention is given the Algae and Fungi, especially the latter, in their relation to plant diseases. The course includes a discussion of the evolution of plants, in lectures and recitations, and laboratory examination of typical members of this division of the plant kingdom. (Biol. 1 or 2.)

Laboratory fee, $5. *Sophomores, Juniors, and Seniors*. T., Th., 8.00, 9.00; S., 9.00.

[4. Phanerogamic Botany. B]

The object of this course is to familiarize the student with the morphological characters on which the analysis and determination of the flowering plants is based. The work consists of recitations, laboratory study of the principal facts concerning the structure of the higher plants, and analysis of typical plants with the aid of Gray's Manual. (Biol. 1 or 2.)

Laboratory fee, $5. Sophomores, Juniors, and Seniors. T., Th., 8.00, 9.00; S., 9.00.

5. Invertebrate Zoölogy. B

This course deals with the principal types of the invertebrate animals, including an investigation of their structure, habits, and relationships. Lectures, recitations, and laboratory examination of typical representatives of the group. (Biol. 1 or 2.)

Laboratory fee, $5. Sophomores, Juniors, and Seniors. M., W., 2.00, 3.00; F., 3.00.

6. Vertebrate Zoölogy. B

The plan outlined for Biology 5 is applied, in Biology 6, to the study of the vertebrate animals. These courses are especially recommended for students who plan to teach, to enter medicine, or to pursue further studies in the subject. (Biol. 1 or 2.)

Laboratory fee, $5. Sophomores, Juniors, and Seniors. M., W., 2.00, 3.00; F., 3.00.

7. Advanced Physiology. C

Lectures, recitations, and laboratory work, with special emphasis on the latter. This course will consist of the study of the physiology of muscle and nerve, circulation, respiration, digestion and secretion, excretion, reproduction, nutrition, and heat production and regulation.

It is designed for those who wish to teach, or to study medicine, psychology, and dietetics. The course alternates with 9. (Biol. 5–6; Chem. 1, 3, 4; Physics 1.)

Laboratory fee, $5. *Juniors and Seniors.* M., W., 10.30, 11.30; F., 11.30.

[8. Bacteriology. C]

Principles of bacteriology, methods employed in the study of bacteria, and the relation of the subject to sanitary science and household economics. The work includes lectures, recitations, and practical exercises in the making of culture media, quantitative and qualitative methods for the examination of air, soil, water, and milk, and the isolation and identification of specific forms. This course alternates with 10. (Permission of instructor.)

Laboratory fee, $5. *Juniors and Seniors.* M., W., 10.30, 11.30; F., 11.30.

[9. Embryology. C]

An introduction to the principal facts of embryology, and to methods of embryological study. Discussions concerning the origin of the generative cells, the phenomena of maturation and fertilization and their relation to the problems of heredity, the origin of the germ layers, and the rise of the different organic systems of the body. The development of a chick and a mammal is studied in the laboratory, with exercises in the preparation of embryonic material for observation. This course alternates with 7. (Biol. 6 or 7.)

Laboratory fee, $5. *Juniors and Seniors.* M., W., 10.30, 11.30; F., 11.30.

10. Entomology. C

An introduction to the study of insects, their classification, structure, habits, and life histories. Particular attention is paid to their economic importance. The work consists of recitations, assigned readings, and study in the laboratory

and field of representatives of the different classes of insects. The course alternates with 8 and will be given in 1917–18. (Permission of instructor.)

Laboratory fee, $5. Juniors and Seniors.

CHEMISTRY

Professor MacGilton
Assistant Professor Voter
Mr. Davis

1. Descriptive Chemistry. A

Non-metallic elements, their principal compounds, and their relation to the metals; acids, bases, and salts, and their formation; electrolytic dissociation, ionization, Faraday's laws, and the theory of solution. Numerous chemical problems involving atomic and molecular weights, percentage composition, etc., are solved by the student. Lectures and recitations.

Laboratory fee, $5. Freshmen and Sophomores. I: M., W., F., 10.30. II: T., Th., S., 10.30. Professor MacGilton.

2. General Laboratory Chemistry. A

Lectures, recitations, and laboratory work on general descriptive chemistry. By means of the study of the preceding semester the student is able to prepare the most important chemical compounds at his own desk. Full notes are kept by him of each step taken and each observation made, and frequent reports are presented to the instructor. The sources and industrial value of the substances handled are considered. (Chem. 1.)

Laboratory fee, $5. Freshmen and Sophomores. I: M., W., 10.30, 11.30; F., 11.30. II: T., Th., 10.30, 11.30; S., 11.30. Professor MacGilton and Mr. Davis.

3, 4. Qualitative Analysis. B

Special attention is given to the analytical reactions of each base and to practice in the separation of metals from each other in unknown liquid and solid mixtures. The characteristic reactions of acid radicals are studied and the complete constitution of unknown bodies is determined. (Chem. 1–2.)

Laboratory fee, $6 for each semester. Sophomores and Juniors. I: M., W., 2.00, 3.00; F., 3.00. II: T., Th., 2.00, 3.00; F., 3.00. Professor MacGilton and Mr. Davis.

5, 6. Quantitative Analysis. C

Lectures and laboratory work on general methods of quantitative chemistry. The use of the chemical balance; accuracy of measurement, and stoichiometric problems; gravimetric analyses, and complete analysis of a carbonate rock; the making of standard solutions; standardization of glass apparatus, and uses of various indicators in volumetric analysis; technical analysis of commercial products, and elementary experiments in electric analysis. (Chem. 3–4.)

Laboratory fee, $3.50 and breakage for each semester. Juniors and Seniors. M., W., F., 2.00, 3.00. Assistant Professor Voter.

7, 8. Industrial Chemistry. C

Lectures on the principal chemical industries, such as fuels, acids, coal tar, dyes, etc., to study the chemical reactions and apparatus used on a commercial scale. This course alternates with Chem. 13–14. (Chem. 5–6, 9–10.)

Laboratory fee, $3 for each semester. Juniors and Seniors. T., Th., S., 11.30. Assistant Professor Voter.

9, 10. Descriptive Organic Chemistry. C

A study of the genetic relationships of the more important classes of the carbon compounds and their typical reactions. Preparation, constitution, analysis, and synthetic methods

especially emphasized. Study of petroleum and coal-tar products, ethers, alcohols, fats, sugars, etc. Lectures. (Chem. 3–4, at least simultaneously.)

Laboratory fee, $3 for each semester. Sophomores, Juniors, and Seniors. M., W., F., 9.00. Mr. Davis.

11, 12. Organic Preparations. C

Chiefly laboratory work in the preparation and study of the typical organic compounds. Ultimate analysis. Proximate analysis of commercial and agricultural products. Testing. This course is designed to supplement and amplify Courses 9 and 10, and to provide a thoroughly practical training in Organic Chemistry. (Chem. 9–10.)

Laboratory fee, $5 and breakage for each semester. Juniors and Seniors. T., Th., S., 8.00, 9.00. Assistant Professor Voter and Mr. Davis.

[13, 14. Theoretical and Physical Chemistry. C]

Lectures and reading. Historical development of chemical theory, stoichiometry, and the application of physico-chemical principles to industrial and laboratory practice. This course alternates with Chem. 7–8. (Chem. 5–6 and 9–10.)

Juniors and Seniors. T., Th., S., 11.30. Assistant Professor Voter.

DRAWING AND SURVEYING

Assistant Professor Swett

1, 2. Drawing. A

Lettering, title designing; geometrical problems, orthographic projection; problems relating to the point, line, and plane; intersection and development of solids bounded by plane surfaces. In the second semester, working drawings; technical sketching; map and topographical drawing; trac-

ing and blue printing; shading, perspective, and isometric drawing.

Freshmen and Sophomores. Instrument fee, $2 each semester. T., Th., S., 8.00, 9.00.

3, 4. Descriptive Geometry. B

Problems relating to lines and planes; to single curved, double curved, and warped surfaces; intersection of solids. (D. and S. 1–2.)

Sophomores, Juniors, and Seniors. Instrument fee, $2 each semester. M., W., F., 8.00, 9.00.

3*a*, 4*a*. Mechanism, Gearing, and Mechanical Engineering Drawing. B

Motions and forms of various mechanisms occurring in machines; gear-teeth and the design of valve gears for steam engines. The drawing supplements the work in Mechanism and Gearing and continues the study of working drawings given in 2. (D. and S. 2.)

Sophomores, Juniors, and Seniors. Instrument fee, $2 each semester. One two-hour and two one-hour periods.

5, 6. Surveying and Plotting. B

Lectures, field work, and drafting. The use of the tape, compass, and transit is taught, followed by various forms of leveling instruments. (D. and S. 1–2, Math. 2.)

Sophomores, Juniors, and Seniors. Instrument fee, $1 each semester. T., 2.00 to 6.00, and one hour to be arranged.

7, 8. Advanced Surveying. C

Methods of topographic and geodetic surveying; mathematics of curves, with applications to highways and railroads. (D. and S. 5–6.)

Juniors and Seniors. Instrument fee, $1 each semester. Th., 2.00 to 6.00, and one hour to be arranged.

Note. Students who expect to take a course in a school of technology after graduation should consult the head of this department in regard to their election of subjects.

ECONOMICS

Professor ABBOTT
Assistant Professor LAWRENCE

1. PRINCIPLES OF ECONOMICS. A

An introductory course giving a systematic survey of the general field of economics. The fundamental theories and some of their more important applications are discussed.

Sophomores and Juniors. T., Th., S., 8.00. Professor ABBOTT.

2. PRINCIPLES OF ECONOMICS. B

A continuation of 1, with brief treatment of the fields of banking, transportation, international trade, and public finance.

Sophomores and Juniors. T., Th., S., 8.00. Professor ABBOTT.

8. SOCIOLOGY. A

Basis of society; social evolution; social institutions; modern social problems.

Sophomores and Juniors. I: M., W., F., 10.30. II: M., W., F., 11.30. Assistant Professor LAWRENCE.

9. PHILANTHROPY. B

Dependents, defectives, and delinquents; heredity and environment in relation to these abnormal classes; principles and methods applied in the prevention and treatment of crime and dependency, and in bettering physical and moral conditions. (Econ. 1 or 8, or Phil. 1 or 5.)

Juniors and Seniors. T., Th., S., 8.00. Assistant Professor LAWRENCE.

ENGLISH

Professor Wright
Professor Cady
Assistant Professor Davison
Miss Oliver

1. Composition and Rhetoric

A laboratory and lecture course, based on a series of problems illustrative of the principles of unity, coherence, and emphasis.

Required of all Freshmen. I: T., Th., S., 8.00; II: T., Th., S., 9.00; III: T., Th., S., 10.30; IV: T., Th., S., 11.30; V: M., W., F., 11.30; VI: M., W., F., 10.30. Professor Cady and Miss Oliver.

2. Composition and Rhetoric

A continuation of 1, together with a study of the paragraph, the sentence, and the word.

Required of all Freshmen. I: T., Th., S., 8.00; II: T., Th., S., 9.00; III: T., Th., S., 10.30; IV: T., Th., S., 11.30; V: M., W., F., 11.30; VI: M., W., F., 10.30. Professor Cady and Miss Oliver.

3. History of English Literature. A

A rapid treatment of the successive phases of English literary development, from the beginning to Wordsworth. The leading factors of English history are also discussed whenever they are necessary to an adequate understanding of the subject.

Sophomores and Juniors. I: M., W., F., 9.00; II: T., Th., S., 9.00. Professor Wright.

4. History of English Literature. A

A similar treatment of English literary development from Wordsworth to the present time.

Sophomores and Juniors. I: M., W., F., 9.00; II: T., Th., S., 9.00. Professor Wright.

5, 6. Public Speaking. B

A study of the principles of the adequate and effective expression of ideas before an audience, together with practice in the application of these principles.

Sophomores, Juniors, and Seniors. M., W., F., 10.30. Assistant Professor Davison.

9. The Comedies of Shakespeare. B

A study of the fundamental facts of Shakespeare's life and art, as illustrated in a selected number of the plays. (Eng. 3 or 4.)

Juniors and Seniors. M., W., F., 9.00. Professor Cady.

10. The Tragedies of Shakespeare. B

A treatment of Shakespeare's life and art, as illustrated in certain of the plays, similar to that of 9. The course may be elected, however, though 9 has not been taken. (Eng. 3 or 4.)

Sophomores, Juniors, and Seniors. M., W., F., 9.00. Professor Cady.

11. The Modern Drama. C

A treatment of the various phases of dramatic development characteristic of the drama of to-day, based upon the reading of typical dramas. (Eng. 9 or 10.)

Juniors and Seniors. M., W., F., 2.00. Professor Cady.

12. [History of American Literature. A]

A treatment of the successive phases of American literary development, similar to that of 3.

Sophomores and Juniors. M., W., F., 10.30. Professor Cady.

17, 18. Nineteenth Century Prose. C

A critical study of extended selections from the writings of certain of the leading prose writers of the period,

supplemented by lectures on the development of English prose. While these courses are continuous, 18 may be elected even though 17 has not been taken. (Eng. 3 or 4)

Juniors and Seniors. M., W., F., 11.30. Professor WRIGHT.

23. THE PRINCIPLES OF LITERARY CRITICISM. C

A detailed study of the nature of literature and of its intellectual, emotional, and formal elements. (Eng. 3 or 4.)

Juniors and Seniors. M., W., F., 3.00. Professor WRIGHT.

24. THE QUALITIES OF STYLE. C

An advanced course in composition, in which practice in writing is coupled with a study of the principles of style as they have been critically expounded.

Juniors and Seniors. M., W., F., 3.00. Professor WRIGHT.

NOTE. The courses here outlined are those offered in 1917–18. Some of them alternate from year to year with other courses: as, Nineteenth Century Prose with Nineteenth Century Poetry, and the Principles of Literary Criticism with the Principles of Poetics.

FINE ARTS

Professor SANFORD
Professor BURRAGE

1. GREEK ART

Instruction is given by lectures and stereopticon talks, supplemented by extensive reading on the student's part. Written tests come every two weeks. The art and civilization of Assyria, Egypt, and other nations whose work had a formative influence on the Greeks are treated extensively by way of introduction to Greek Art proper.

Juniors and Seniors. M., W., F., 10.30. Professor BURRAGE.

2. Roman Archeology, Roman and Medieval Art

The buildings and statuary of Ancient Rome and its colonies; an outline story of architecture, sculpture, and painting through the early Christian, Byzantine, Romanesque, Gothic, and Italian Renaissance movements, including the period of Raphael and Michael Angelo. The illustrations are by photographs and lantern slides.

Juniors and Seniors. M., W., F., 11.30. Professor Sanford.

Note. Courses 1 and 2 were conducted for a number of years in connection with the work of the Greek and Latin Departments. The Department of Fine Arts, of which they are now a part, concerns itself at present with historical development.

GEOLOGY

Assistant Professor Foye

1. Meteorology. A

A course designed to give a more accurate knowledge of the laws controlling weather and climate.

All Classes. T., Th., S., 8.00, and 2 hours to be arranged.

2. Physiography. A

The study of the earth's surface and the forces which have molded it into its present form. Lectures and laboratory work.

Laboratory fee, $2. All Classes. T., Th., S., 8.00, and two hours to be arranged.

3. General Geology. B

Dynamical and Structural Geology. The application of Geology to economic problems such as mining, building materials, and road making. Lectures and laboratory work. (Chem. 1–2.)

Laboratory fee, $2. All Classes. M., W., F., 2.00, and two hours to be arranged.

4. Historical Geology. B

The history of the earth as revealed in the sedimentary rocks. Lectures and laboratory work. (Geol. 2 or 3.)

All Classes. M., W., F., 2.00, and two hours to be arranged.

5. Regional Geology of the United States. C

A study of the Grand Canyon, the Niagara Falls, etc., with reference to their detailed geologic history. Lectures. This course will be numbered 7 in 1918–19. (Geol. 4.)

Juniors and Seniors. T., Th., S., 10.30.

6, 7. Mineralogy. C

A study of the crystal form and chemical composition of the commoner minerals, with methods for their determination. The field occurrence and economic uses of the minerals are especially emphasized. Lectures, recitations, and laboratory work. These courses will be numbered 5, 6 in 1918–19. (Geol. 3.)

Laboratory fee, $5. *Juniors and Seniors.* T., Th., 9.00, S., 9.00, and four hours to be arranged.

[8. Economic Geology. C]

The occurrence and methods of origin, and the classification and uses, of those portions of the earth's crust which are of economic importance are studied. Lectures, recitations, and laboratory work. (Geol. 7.)

Laboratory fee, $5. *Juniors and Seniors.*

10. Development of Geological Theories with Especial Reference to the Theory of Evolution. B

A brief history of the founders of geology, the theories of vulcanism, mountain growth, and sedimentation. The contributions of geology to the theory of evolution. (Geol. 2.)

Juniors and Seniors. T., Th., S., 10.30.

GERMAN

Professor Skillings
Assistant Professor Davison

1*a*, 2*a*. Beginners' German

Essentials of phonetics, drill in pronunciation and in comprehending the spoken language; elements of grammar; memorizing of idioms and poems; dictation; reading of simple prose. Six hours a week. These courses may be elected as two of the courses required of Freshmen, and count six points toward the A.B. or B.S. degree.

M., W., F., 2.00; T., Th., S., 9.00. Assistant Professor Davison.

3, 4. Intermediate German. A

Rapid review of grammar; phonetics; sight reading; conversation; free reproduction and composition based on the texts read; reading and memorizing of poems; memorizing of idioms; grammar drill; outside reading. (Germ. 1*a*–2*a*, or two years of preparatory school German.)

I: M., W., F., 8.00; II: T., Th., S., 8.00. Assistant Professor Davison.

5, 6. Modern German Prose. B

See Courses 21, 22.

M., W., F., 10.30. Professor Skillings.

7, 8. The Classic Period. B

In the first semester, Schiller is the center of study; in the second semester, Lessing; advanced syntax; outside reading. (Germ. 3–4, or three years of preparatory school German.)

M., W., F., 11.30. Professor Skillings.

9. Goethe. C

A study of Goethe's development and influence, based on his selected works; outside reading in his works not read in class. Given in alternate years with 11. (Germ. 8.)

T., Th., S., 10.30. Professor Skillings.

[10. A Survey of German Literature to the Classic Writers. C]

A course designed to give a comprehensive knowledge of the great movements and the leading ideas in German literature from the beginnings till Goethe; outside reading. Given in alternate years with 12. (Germ. 8.)

Professor Skillings.

[11, 12. Nineteenth Century Literature. C]

A study of the chief literary movements in Germany in the last century, together with the reading of representative plays, novels, and verse. Outside reading. Given in alternate years with 9–10. (Germ. 8.)

Professor Skillings.

14. The Teaching of German. C

A course in German pronunciation, grammar, reading and composition from the stand-point of the teacher. Training in phonetics and the direct method; outside reading. (Germ. 8.)

Juniors and Seniors. M., W., F., 8.00.

16. Goethe's Faust. C

A study of the genesis, subject-matter, and purposes of Goethe's masterpiece. Parts I and II. Outside reading in the Faust theme. (Any C course in German.)

Professor Skillings.

17, 18. Writing and Speaking German. C

Designed to train students to write and speak correct German. Systematic practice in phonetics; outside

reading. Those preparing to teach German should elect these courses. (Any two courses in German.)

T., Th., S., 11.30. Professor SKILLINGS.

21, 22. MODERN GERMAN PROSE. B

Rapid reading in prose of varied style and subject-matter, designed to aid students in acquiring a large working vocabulary. Steady practice in the fundamentals of grammar; outside reading. After 1917–18, these courses will be numbered 5, 6. (Germ. 3–4, or three years of preparatory school German.)

M., W., F., 10.30. Professor SKILLINGS.

GREEK

Professor BURRAGE

1. GREEK READER, AND THE GOSPEL OF MARK. B

In connection with the study of the text there are frequent exercises in composition, and a thorough review of forms and syntax. (Greek 13–14, or its equivalent.)

Freshmen and Sophomores. T., Th., S., 10.30.

2. HOMER. B

The *Odyssey*. Those parts of the epic that are of most vital interest are carefully translated and studied. The ethical import is kept carefully in view, and the conditions of the life described in the poem are illustrated by a consideration of archeological discoveries. Facility in reading is promoted by frequent exercises in sight translation. (Greek 13–14, or its equivalent.)

Freshmen and Sophomores. T., Th., S., 10.30.

3. EURIPIDES: IPHIGENIA AMONG THE TAURIANS; SELECTIONS FROM THE LYRIC POETS. B

An introduction to other kinds of meter than the dactylic hexameter. The development in poetical form from Homer

to Euripides is traced. Among the authors from whom extracts are made are Archilochus, Alcaeus, Sappho, Anacreon, Simonides, and Bacchylides. In connection with Euripides, lectures are given on the origin, history, and purpose of the drama. (Greek 2.)

Sophomores and Juniors. M., W., F., 11.30.

4. Plato and Xenophon. B

Apology, *Crito*, selections from the *Phaedo* of Plato; the *Memorabilia* of Xenophon. A study in the life, character, and opinions of Socrates, as he is portrayed by his two friends and disciples. Elementary statement of a few of the problems of philosophy that Socrates raised and tried to deal with. Discussion of the position occupied by Socrates and Plato in the world of philosophy. (Greek 1.)

Sophomores and Juniors. M., W., F., 11.30.

5. Sophocles and Aeschylus. C

The *Oedipus Tyrannus* and *Electra* of Sophocles; the *Prometheus* and *Persians* of Aeschylus. (Greek 3–4.)

Juniors and Seniors. M., W., F., 8.00.

6. Aeschylus, Euripides, and Aristophanes. C

Selections from the *Oresteia* of Aeschylus; the *Medea* of Euripides; the *Frogs* of Aristophanes. Courses 5 and 6 give a fairly complete idea of the four great dramatists of Athens, and lay a foundation for courses in the modern drama or in ethics. External changes in the drama are noted, and the growth of religious concepts is traced. The remaining plays of the authors are read by the student in translation, and reports are required on the more important ones. (Greek 5.)

Juniors and Seniors. M., W., F., 8.00.

[7. Plato's Republic. C]

(Greek 3–4.)

Juniors and Seniors.

[8. Aristotle's Ethics. C]

Courses 7 and 8 alternate with 5 and 6. They afford students of philosophy and ethics a chance to read in the original tongue the two masterpieces of the two greatest minds of antiquity. The charm of the *Republic* as literature will receive special emphasis. (Greek 7.)

Juniors and Seniors.

9. The Anabasis and the Iliad. C

For students who plan to teach Greek. Familiarity with the style of Xenophon and Homer is promoted by copious reading. Careful distinction is made between the essentials and the non-essentials of the language, and an attempt is made to construct such a teaching scheme as will save the pupil's time and maintain his interest. The leading textbooks are compared and criticised. Methods of teaching vocabulary, grammar, reading at sight, and translation are discussed. This course may be counted toward a major in Pedagogy. (Two years of College Greek.)

Juniors and Seniors.

10. The Greek Drama in Translation

This course requires no knowledge of Greek. It lays a foundation for the study of the modern drama. The plays read either have value of their own or have exercised an influence on later writers.

Juniors and Seniors. M., W., F., 10.30.

13, 14. Beginners' Greek

A course for those who wish to begin Greek in college. During the first semester the elements of the language are acquired from some one of the First Greek Books. In the second semester, portions of the *Anabasis* are read, with easy selections of more general interest. The course should fit the student to take up the regular Freshman Greek the following year.

Open to all classes. T., Th., S., 9.00.

HISTORY

Assistant Professor LAWRENCE
Mr. NAYLOR
Assistant Professor WHITE
Professor HARRINGTON

1, 2. THE MEDIEVAL AND MODERN HISTORY OF EUROPE. A

A general survey of European History from the fourth century to the present. This course traces briefly the great changes during the Middle Ages; then considers more thoroughly those movements in modern times which have produced the Europe of to-day. History 1 and 2 are prerequisites for all other courses in History; hence they should be taken as soon as possible, preferably in Freshman year. They are especially recommended to all who expect to do work in Economics, Political Science, Modern Language, Ethics, or Pedagogy.

Freshmen and Sophomores. I: M., W., F., 9.00; II: T., Th., S., 9.00. Assistant Professor LAWRENCE.

3, 4. THE POLITICAL HISTORY OF THE UNITED STATES. B

A general survey of the History of the United States from the period of discovery to the present time. Introductory to the more advanced courses in American History. (History 1–2.)

Sophomores and Juniors. T., Th., S., 9.00. Mr. NAYLOR.

5, 6. GENERAL ENGLISH HISTORY. B

From the Saxon Conquest to the present time. Emphasis is laid upon social, economic, and constitutional factors, and upon the international relations leading up to the War of 1914. (History 1–2.)

Juniors and Seniors. T., Th., S., 8.00. Mr. NAYLOR.

7. Europe Since 1848. B

The rise of democracy and nationalism. Social factors in recent European History. National imperialism and the diplomacy that ended in the War of 1914. (History 1–2.)

Sophomores and Juniors. M., W., F., 8.00. Assistant Professor Lawrence.

[8. Social History of Europe, 1750–1917. C]

This course will trace the welfare of the ordinary member of society as affected by changes in politics, legislation, industry, and reform, during and since the Industrial Revolution and the French Revolution. Special attention will be given to the increasing employment of governmental agencies in order to secure equality of opportunity for all classes. (One B course. This course will not be given before 1919.)

Assistant Professor Lawrence.

9, 10. The History of the United States Since the Civil War. C

A careful survey of the later History of the United States. An analysis of economic and industrial progress and territorial expansion before the Civil War, followed by a study of Reconstruction and of the principal features of the New Era in American life, and concluding with a study of contemporary problems and conditions. (History 3–4.)

Juniors and Seniors. M., W., F., 9.00. Mr. Naylor.

12. Individual Investigation. C

In this course the student discovers and solves his own problems with the aid of suggestions from the instructor. Limited to those who have shown special ability in other history courses. (Two C courses; average of 80; special approval of the instructor.) Assistant Professor Lawrence.

13. The Teaching of History. C

Methods and the philosophy of history for advanced students and prospective teachers. The nature and essential elements of history; relation of history to other subjects; forms of historical materials; methods of criticising and using sources; bibliography; working libraries; source-books; text-book criticism; maps, charts, and other aids; elementary and advanced phases of historical study; the organization of historical knowledge. This course may be counted toward a major in Pedagogy.* (Two B courses.)

Juniors and Seniors. Assistant Professor Lawrence.

14. Ancient History. B

A survey of the development of ancient civilization, with special emphasis on the History of Greece and Rome. Much attention is paid to the use of sources, as being of extreme importance in supplying the proper view-point and stimulus, especially to those who are to teach Ancient History in high schools. (History 1–2.)

Sophomores and Juniors. T., Th., S., 11.30. Assistant Professor White.

15. The Old Testament Prophets. B

The study will be pursued with special reference to the part which the prophets had in the national life of the Hebrew people and in the development of the Hebrew religion. (History 1–2.)

Juniors and Seniors. T., Th., S., 8.00. Professor Harrington.

16. The Beginnings of Christianity. B

An inquiry into the origin and development of the Christian religion as shown in the New Testament. The study

* It alternates with 11, Social History of the United States, to be given in 1919–20.

will follow the development of the Church up to the time of Constantine and the Council of Nicæa. (History 15.)

Juniors and Seniors. T., Th., S., 8.00. Professor HARRINGTON.

HOME ECONOMICS

Assistant Professor GRAHAM
Miss OLIVER

1, 2. FOOD: ITS SELECTION AND PREPARATION. A

Classification, composition, and function of foods; principles involved in the application of heat to food constituents; the various processes applied in the preparation of foods. Recitations and laboratory work.

Laboratory fee, $5 for each semester. Freshmen, Sophomores, and Juniors. T., Th., 2.00, 3.00; F., 2.00. Miss OLIVER.

3. NUTRITION AND FOOD ECONOMY. B

The preservation of food; the nutritive value and place in the diet of foods; comparative costs; processes of preparation; advanced study of cookery; the preparation, serving, and cost of meals. Lectures, recitations, and laboratory work. (H. E. 1–2, Chem. 1–2.)

Laboratory fee, $5. Juniors and Seniors. T., Th., 10.30, 11.30; S., 10.30. Assistant Professor GRAHAM.

4. HOUSEHOLD MANAGEMENT. C

Economic function of woman and the home; evolution of the home; organization of the household; house planning, furnishing, and decoration; buying of supplies; accounting and division of the income; care of the house. (H. E. 3.)

Juniors and Seniors. Assistant Professor GRAHAM.

5, 6. SEWING AND TEXTILES. B

The fundamental stitches; use of commercial patterns; hand and machine sewing applied to simple garments. In

the second semester the history and processes of textile manufactures are taken up, with a study of the quality and cost of materials.

Laboratory fee, $1 for each semester. Sophomores, Juniors, and Seniors. M., W., F., 2.00, 3.00, 4.00. Assistant Professor GRAHAM.

8. DIETETICS. C

Principles of nutrition; chemistry and physiology of digestion; a study of diets under differing conditions; children's diets; school lunches; invalid cookery, and detailed work in the preparation of balanced meals. Recitations and laboratory work. (H. E. 3, Biol. 1 or 8.)

Laboratory fee, $5. Juniors and Seniors. Assistant Professor GRAHAM.

9. METHODS. C

Lectures on the methods of teaching Home Economics; planning courses of study, and making lesson plans; studies in equipment. Practice work in teaching high-school classes. This course may be counted toward a major in Pedagogy. (Permission of instructor.)

Juniors and Seniors. T., Th., S., 9.00. Assistant Professor GRAHAM.

LATIN

Professor SANFORD
Assistant Professor WHITE

1. LIVY. A

For translation, such chapters of Books XXI–XXXIX are selected as to constitute a fairly comprehensive story of the second Carthaginian war. Question and answer in Latin give the student a direct knowledge of simple form and syntax. Prose exercises are required, based on the text. These include a review of elementary principles of Latin

writing, study of vocabulary, practice in handling verb forms, and the development and use of cases.

Freshmen. I: M., W., F., 8.00; II: M., W., F., 11.30; III: T., Th., S., 8.00. Assistant Professor WHITE.

2. CICERO. A

Selections from the *Letters*, and *De Amicitia*. The historical outline takes up the story of the struggle between Republic and Empire, and runs contemporaneously with the fortunes of Caesar and Cicero as written in the *Letters*. *De Amicitia* will be read in close connection with a weekly study of the use of mode in Latin. To familiarize the student with the living language, part of the recitation will be conducted in Latin.

Freshmen. I: M., W., F., 8.00; II: M., W., F., 11.30; III: T., Th., S., 8.00. Assistant Professor WHITE.

3. PLINY THE YOUNGER. B

Selections from the *Letters* presenting a large number of references to life and customs are chosen for translation. The course is intended to bring the student into closer touch with the daily life of the Romans than is given in the authors previously read. Either this course or Latin 5 is requisite to all of the translation courses following. (Latin 1–2.)

Sophomores and Juniors. T., Th., S., 8.00. Professor SANFORD.

4. HORACE. B

Selected *Odes* and *Epodes*. By comparison of the odes with the lyrics in Latin and other languages, the class attempts to estimate the place of Horace among the poets. The debt of English poetry to Horace is continually referred to, and borrowed or suggested phrases, imitations, and translations in our own lyrics are daily sought in illustration.

Very careful preparation of note-books is required. (Latin 3 or 5.)

Sophomores and Juniors. I: T., Th., S., 8.00; II: T., Th., 2.00; S., 8.00. Professor SANFORD.

5. TACITUS. B

The *Germania* and *Agricola.* Comparison of the style of Tacitus with that of other writers of his time. A study of the Roman colonial system. Outline of the history of the later Empire, with brief investigation into the subject of the influence of Rome on the northern tribes, and, incidentally, our own inheritance of law and custom from them. Library reading. (Latin 1–2.)

Sophomores and Juniors. T., Th., S., 10.30. Assistant Professor WHITE.

[6. PROSE WRITERS OF THE EMPIRE. C]

Readings in Paterculus, Curtius, Seneca, Quintilian, Gellius, Apuleius, Marcellinus, and others, as far as the patristic literature. (Latin 3 or 5.)

Juniors and Seniors. Professor SANFORD.

[7. A STUDY IN LATIN VERSE. C]

Fragments preserved from the early writers are quoted to point out the beginnings of poetry. Selections from Catullus, Horace, Vergil, Ovid, Tibullus, Propertius, and others, are read to show Latin verse in its perfection. A few poems of the Silver Age are given to indicate the changes of form and style to medieval and monkish rhymes. The hymnology of the early Church. (Latin 4.)

Juniors and Seniors. M., W., F., 10.30. Professor SANFORD.

8. AN HISTORICAL STUDY IN TACITUS. C

An intensive study of some period or topic from the early Roman Imperial Era, with the text of the *Annals* as a base. The aim is to develop in the student a spirit of historical crit-

icism, and to help him to use historical material methodically, especially sources. The course is particularly valuable to those who may teach Ancient History. (Latin 5.)

Juniors and Seniors. T., Th., S., 10.30. Assistant Professor WHITE.

9. ROMAN COMEDY. C

The translation of the *Captivi* and *Trinummus* of Plautus, with rapid readings from the *Andria* of Terence and other comedies. (Latin 3, 4, or 5.)

Juniors and Seniors. M., W., F., 10.30. Professor SANFORD.

10. A STUDY IN ROMAN PHILOSOPHY. C

Readings from the *Tusculan Disputations* of Cicero, *De Rerum Natura* of Lucretius, with extracts from Seneca, Marcus Aurelius, and Boethius. (Latin 4 or 5.)

Juniors and Seniors. M., W., F., 10.30. Professor SANFORD.

11. ADVANCED LATIN PROSE. C

An investigation of vocabularies found in prominent Latin authors of both prose and poetry; a comparison of the periodic sentence with the loose structure of the English; examination of the diction of the authors used in the preparatory work; the writing of detached sentences and of connected discourse. A prominent feature of the course will be the actual use of Latin in conducting many of the class-room exercises. (One C course.)

Juniors and Seniors. T., Th., S., 11.30. Professor SANFORD.

12. THE TEACHING OF PREPARATORY LATIN. C

A study of methods and authors used; the relative value of vocabularies, grammatical drill, and sight reading; examination of text-books; Caesar and the substitute authors;

the Latin element in English speech; Grimm's law; alternate drifts toward the Latin and toward the Saxon forms; colloquia; tests; the necessity of making Latin a live language; quality *versus* quantity; literary appreciation. This course may be counted toward a major in Pedagogy. (One C course.)

Juniors and Seniors. T., Th., S., 11.30. Professor SANFORD.

13. ROMAN ORIGINS. C

An outline story of our debt to the Roman nation in word-making, syntax, literary style and content, myth and tradition, phrases and saws, ritual, government, law and court proceedings, architecture, engineering and road-making, miscellaneous arts and professions. A summary of the reasons for the present place of Roman life and Latin in cultural and practical education. No knowledge of the language is required.

Juniors and Seniors. M., W., F., 11.30. Professor SANFORD.

15. OUTLINES OF LATIN LITERATURE. C

A review of all the authors from Ennius to Boethius; reading of translations; an attempt to form an estimate of the place and value of the literature as a whole, and the tendencies toward appreciation and depreciation at the present time; the passing of the Latin into the Italian, the French, and the other Romance languages; the jingles and the rhymes of the monks; attempts to revive the vernacular. (One C course.)

Juniors and Seniors. Professor SANFORD.

MATHEMATICS

Assistant Professor PERKINS
Assistant Professor BONNEY

1. PLANE AND SPHERICAL TRIGONOMETRY. A

Required of all Freshmen. I: M., W., F., 3.00; II: M., W., F., 2.00; III: T., Th., 3.00; S., 8.00; IV: T., Th., 2.00; S., 9.00. Assistant Professor BONNEY.

2. ALGEBRA. A

Properties of quadratics; complex numbers; binomial formula; permutations and combinations; graphical investigation of equations of the first, second, and third degree; theory of equations; determinants.

Required of all Freshmen. I: M., W., F., 3.00; II: M., W., F., 2.00; III: T., Th., 3.00; S., 8.00; IV: T., Th., 2.00; S., 9.00. Assistant Professor BONNEY.

3. PLANE ANALYTIC GEOMETRY. B

Loci and their equations in Cartesian coördinates; transformation of axes; the line, circle, parabola, ellipse, hyperbola; the general equation of the second degree; poles and polars; use of polar coördinates. (Math. 1–2.)

Required of all Sophomores in the B.S. course. I: M., W., F., 8.00; II: M., W., F., 3.00; III: M., W., F., 10.30. Assistant Professor PERKINS.

4. INTRODUCTION TO CALCULUS. B

The two fundamental operations of calculus, together with those applications most commonly encountered in applied mechanics, and the theory of electricity and magnetism. (Math. 3.)

Required of all Sophomores in the B.S. course. I: M., W., F., 8.00; II: M., W., F., 3.00; III: M., W., F., 10.30. Assistant Professor PERKINS.

5, 6. Differential and Integral Calculus. C

Detailed course, taking up the more extended and difficult applications. (Math. 4.)

Juniors and Seniors. T., Th., S., 11.30. Assistant Professor Perkins.

7. Higher Plane Curves. C

A course in method of determining the characteristics of algebraic curves from their equations. The principles of homogeneity, linear combinations, and "signing" are developed and applied to the discussion of the general characteristics of second, third, and fourth order curves. About fifty of the best known algebraic curves are discussed and their characteristics discovered. (Math. 4.)

Juniors and Seniors. M., W., F., 11.30. Assistant Professor Perkins.

12. Projective Geometry. C

An alternative course in Vector Analysis will be substituted for Projective Geometry, if a majority of those electing the course prefer it. (For Projective Geometry, 3 and 4; for Vector Analysis, 6.)

Juniors and Seniors. Assistant Professor Perkins.

[15. Solid Geometry. B]

In addition to the customary text-book work in the subject, this course will deal with the assumptions upon which geometry is based. Much original material upon constructions and methods of solving geometrical problems will also be introduced. This course is offered to review and supplement the preparation in geometry of those who plan to teach mathematics. To be given in 1918–19. (Plane Geometry, Math. 1 and 2.)

Sophomores and Juniors. Assistant Professor Perkins

16. The Teaching of Preparatory Mathematics. C

Consideration of the place and use of algebra, geometry, and trigonometry, and the standards to be set in the teaching of these subjects; the collection and arrangement of historical and biographical material to form a background that shall awaken interest in the subject matter; practice in the selection of texts and the laying out of courses; a study of fundamental principles and discussions of methods of presentation and explanation. (Solid Geometry and Math. 1, 2, and 3.)

Juniors and Seniors. Assistant Professor Perkins.

MILITARY ART

Professor McFarland
Assistant Professor Swett
Assistant Professor Foye
Assistant Professor Ross

1. Military Art.

Physical drill (Manual of Physical Training, Koehler). Infantry drill (U. S. Infantry Drill Regulations), to include the School of the Soldier, the Squad and the Company, close and extended order. Preliminary instruction; sighting, position, and aiming drills; gallery and range practice; nomenclature and care of rifle and equipment.

Open to all men. M., W., F., 4.00. Professor McFarland.

2. Military Art.

Infantry drill as in Course 1, to include the School of the Battalion; range and gallery practice; fire direction and control; service of information and security.

Open to all men. M., W., F., 4.00. Professor McFarland.

3, 4. Military Art.

Map reading; the theory of map making; problems in map work. Military sanitation. Problems in military construction including stream crossings, roads, intrenchments, fieldworks, and obstacles. Map maneuvers. Fieldwork: military reconnaissance; military surveying and mapping.

Juniors, Seniors, and men of draft age. T., Th., 2.00 to 5.00. Assistant Professor Swett and Assistant Professor Foye.

6. First Aid, Public Health, and Sanitation.

Lectures, text-book, and laboratory work covering health education from the standpoint of city, country, home, school, factory, and army. Water supplies, milk supplies, disease carriers, communicable diseases, typhoid prophylaxis, malaria, hookworm, quarantine, sanitary surveys, first aid lectures, practical demonstrations.

Juniors, Seniors, and men of draft age. Assistant Professor Ross.

MUSIC

Assistant Professor Hathaway

1, 2. Harmony. B

The course in harmony embraces scales and signatures, triads and their progressions, modulation and suspensions, also the invention and harmonization of melodies and choral writing in four parts.

M., W., F., 10.30.

3, 4. Historical Development of Music. C

A course covering, in general outline, the entire range of the history of music. It includes a study of the lives and works of the great composers and the position each holds in the history of the art. Lectures, musical illustrations, and collateral reading.

T., Th., S., 10.30.

5, 6. Musical Appreciation. A

This course is designed to develop, without going too deeply into technicalities, the ability to listen to good music. It aims to present, in untechnical language, an account of the evolution of musical art by analysis of the principal musical forms. No previous technical or theoretical knowledge is required for this course.

M., W., F., 11.30.

7, 8. Harmonic Analysis and Counterpoint. C

These courses are planned for those who have had, as theoretical training, the equivalent of one year's study of harmony. Representative works of the Classical and the Modern school will be treated analytically.

9, 10. Practical Courses.

These consist of private lessons in pianoforte and organ playing, and in singing in the college choir. The hours of private lessons are to be arranged for individually or in groups. The fees for pianoforte and organ lessons are $40 for each semester, two half-hour lessons or one hour lesson a week. Open to all students.

Pianoforte: Each student will be required to master the elements of a good technique before undertaking the study of extended musical works. It is impossible to designate with accuracy the literature to be used for each student, but the course embraces studies by Czerny, Cramer, Clementi, and the works of Bach, Haydn, Mozart, and Beethoven, as well as those of the Romantic and the Modern school.

Organ: Students entering the organ course must have acquired a satisfactory knowledge of the pianoforte technique. The course includes works of Rinck, Mendelssohn, Rheinberger, and other standard works by the leading writers.

The College Choir: The college choir, under the leadership of the director, holds two rehearsals weekly and sings at the chapel service each week-day and at the Sunday vesper service. Opportunity is given to study the works of the best composers of sacred music.

NOTE. The courses in the theory and history of music (1–8) will receive credit toward a degree and are subject to no additional fee; for private lessons (9, 10) no credit toward a degree will be allowed. Students wishing to elect courses in the Department of Music must have some knowledge of the elements of musical notation and must satisfy the instructor of their fitness to pursue the special courses chosen.

It has been decided to allow groups of several students of the same or of different instruments to register in classes, in the practical course, thus dividing the cost of instruction and obtaining mutual benefit. In certain cases the enrolment of vocal pupils and players on orchestral instruments will also be permitted.

PEDAGOGY

Professor COLLINS
Professor MCFARLAND
Assistant Professor HOWARD

1, 2. INTRODUCTION TO PSYCHOLOGY. A

An elementary course, the basis of courses in educational theory and practice that follow; 2 is a repetition of 1. The course should be elected by all students intending to teach.

Freshmen and Sophomores. I: M., W., F., 10.30; II: T., Th., S., 10.30. Professor COLLINS.

3. PRINCIPLES OF EDUCATION. B

Designed to give a general introduction to pedagogy for those students who have not elected 1, but who wish to gain in college some knowledge of the basis, aims, and problems of education. It will not be counted toward a major; but may be followed by Pedagogy 10, 12 or

5, 6, and may be counted toward a minor in connection with these.

Juniors and Seniors. T., Th., S., 9.00. Professor McFarland.

4. Psychology of the Higher Processes. C

This course may be elected by students who have taken Pedagogy 1 and wish to continue psychological study. It may also be taken by students who have taken 11 in the first semester. The course considers the more complex aspects of consciousness and conceptual thinking, and introduces the student to quantitative studies of mental functioning. (Ped. 1.)

Sophomores, Juniors, and Seniors. Assistant Professor Howard.

5, 6. High School Instruction. B

An introduction to the problems of teaching. Various types of teaching are considered, with class-room organization and routine, collection of materials, use of teaching devices, types and functions of recitation, technique of instruction, criticism of texts, presentation of lessons, use of educational literature; 6 is a repetition of 5. (Ped. 1 or 3.)

Juniors and Seniors. M., W., F., 9.00. Professor McFarland.

7. Rural School Supervision. C

A course for students who wish to qualify for educational administration or supervisory work in country schools. (Any B course; Ped. 1; and special permission.)

Seniors. M., W., F., 8.00. Professor McFarland.

8. High School Administration. C

Types of secondary schools, their aims, organization, curricula, and management. In addition to the problems of government, discipline, examinations, grading, and

promotion, attention is given to the larger utilization of the school plant in its community. (Any B course in Ped.)

Juniors and Seniors. T., Th., S., 9.00. Professor McFarland.

9. History of Education. B

Studies in the development of educational thought and practice in Europe and America. Students taking this course will benefit by having taken History 1, 2. (Ped. 1.)

Sophomores, Juniors, and Seniors in 1917–18. M., W., F., 3.00. Professor Collins.

10. Contemporary Schools. C

School organization and practice in American and European states, with special reference to current educational activities. (Any B course in Ped.) M., W., F., 3.00.

Sophomores, Juniors, and Seniors. Professor Collins.

11. Educational Psychology. C

An analysis of the learning process in general, followed by a study of the forms of learning involved in the fundamental school subjects. Special problems which have direct application to school procedure will be studied from the experimental point of view. At least one period a week of laboratory practice will be required. (Ped. 1.)

Sophomores, Juniors, and Seniors. Assistant Professor Howard.

12. Studies in Educational Theory. C

More intensive and critical study of selected modern sources than is possible in Pedagogy 9. (Any B course in Ped.)

Juniors and Seniors. T., Th., S., 11.30. Professor Collins.

13, 14. Practice Teaching. C

Students desiring teaching appointments in their senior year should consult early in their college course with the instructors of the Department of Pedagogy, in order to organize their college work carefully toward this end. (Special appointment.)

Seniors. Assistant Professor Howard.

PHILOSOPHY

Professor Harrington

1. Introduction to Philosophy. B

This course is a general survey of the fundamental problems of philosophy, and a discussion of the lines along which attempts have been made to solve them, with suggestions as to the progress achieved and the direction in which the solution must lie. (Ped. 1, or Phil. 2.)

Sophomores, Juniors, and Seniors. T., Th., S., 10.30.

2. Logic. A

A study of the principles underlying sound reasoning; interpretation of propositions; analysis of various types of scientific reasoning, both inductive and deductive; construction and criticism of arguments.

Freshmen who have had Ped. 1, Sophomores, and Juniors. T., Th., S., 10.30.

5. Ethics. B

A study of morals in their relation to self-realization. The various ethical theories are passed in review and criticised. Constant reference is made to the practical moral problems of every-day life. (Phil. 1 or 2, or Ped. 1.)

Sophomores, Juniors, and Seniors. M., W., F., 10.30.

6. Ethics and the World of Action. C

Some of the problems dealt with in this course are: social organization and the individual; agencies in the production and distribution of economic wealth; equality, war, and peace; law and liberty. (Phil. 5 or 7–8, or Econ. 8.)

Juniors and Seniors. M., W., F., 10.30.

7. History of Philosophy and Ethics. C

General survey of the philosophical and ethical theories from the Greek thinkers of the sixth century B.C. to the beginning of the modern era. Greek thought is dealt with at some length, particular attention being given to the views of Socrates, Plato, and Aristotle. The period of the Middle Ages is passed over more rapidly, but enough time is given to it to acquaint the student with its general tendencies. (Phil. 1 or 5, or special permission.)

Juniors and Seniors. M., W., F., 9.00.

8. History of Philosophy and Ethics. C

A general review of the development of modern thought, particularly of the eighteenth and nineteenth centuries. Post-Hegelian thought is outlined and the present status of philosophical and ethical inquiry indicated so far as time permits. The course is a continuation of 7, although it may be taken to advantage by those who have not had the latter course. (Phil. 1 or 5, or special permission.)

Juniors and Seniors. M., W., F., 9.00.

PHYSICAL EDUCATION

Assistant Professor Ross
Miss Graves

1, 2. Physical Education.

Lectures, recitations, and quizzes on selected topics in anatomy, physiology, hygiene, sanitation; and laboratory

work in the gymnasium and field. Each Freshman is given a physical examination; special prescriptive work is arranged for when needed; and a great variety of outdoor exercise is organized, including football, basketball, baseball, boating, crossball, tennis, track events, "hikes," skating, skiing, and tobogganing. Special suits are required.

Required of all Freshmen. I: Men, M., W., F., 9.00; II: Women, M., W., F., 8.00. Assistant Professor Ross and Miss Graves.

[3], 4. Physical Education: Advanced Course

The physiology of exercise and its relation to public health; organization and supervision of play in school playgrounds and community centers; laboratory work to include setting-up drills, development of the gymnastic lesson, practice teaching of athletics, folk dancing, and the study of plays and games in preparation for public school work. Gymnasium suits required.

Junior and Senior women. Miss Graves.

PHYSICS

Professor Bryant

1. General Physics. A

Fundamental principles of kinematics; simple harmonic motion; inertia; gravitation; work and energy; elasticity; properties of liquids and gases; waves; sound; reflection, refraction, interference, diffraction, and polarization of light waves, and spectrum analysis.

Freshmen, Sophomores, and Juniors. T., Th., 2.00; F., 3.00.

2. General Physics. A

Theory of heat; calorimetry; transference of heat; thermal expansion; change of state; nature of heat; the earth's magnetic field; magnetic induction; electrostatic induction, potential, and capacity; production of electric currents; electromotive force; electrical resistance; measurement of current; chemical, heating, and magnetic effects of the electric current. (Phys. 1.)

Freshmen, Sophomores, and Juniors. T., Th., 2.00; F., 3.00.

3. Heat. B

An advanced course for those students desiring a more complete knowledge of this branch of Physics. The experimental methods that have been used in measuring the various quantities which are connected with this portion of the science are considered in detail. The kinetic theory of matter and thermo-dynamics are among the additional topics studied. (Phys. 1–2.)

T., Th., S., 9.00.

4. Electricity and Magnetism. B

An advanced course covering more thoroughly many of the topics studied in the corresponding work in general physics, together with some additional topics, such as the discharge of electricity through gases, electrons, radio-activity, and wireless telegraphy. (Phys. 1–2.)

T., Th., S., 10.30.

[5. Light. B]

An advanced course for students who wish more knowledge of the subject than can be obtained from general physics. The laws of reflection and of refraction, with their application to optical instruments; the wave theory of light; the spectrum and its teachings; the phenomena of radiation,

absorption, dispersion, interference, and diffraction are some of the topics considered. To be given in 1918–19. (Phys. 1–2, Trig.)

T., Th., S., 10.30.

7. Physical Measurements. C

Elementary theory and practice of physical manipulation. Laboratory work in the measurements of length, mass, time, velocity, linear and angular acceleration; the verification of the laws of equilibrium of forces; the determination of coefficients of elasticity; the density of solids, liquids, and gases; experiments in sound. A complete record of every experiment is required, giving the apparatus used, the measurements taken, and the results obtained. (Phys. 1–2.)

Laboratory fee, $5. M., W., 2.00, 3.00; S., 11.30.

8. Physical Measurements. C

Measurements of thermal expansion, specific heat, latent heats of fusion and of evaporization. In electricity, fields of force, electric resistance, electro-motive forces, and strengths of current are measured. The laws of reflection and refraction of light waves and the formation of images by mirrors and lenses are studied, and indices of refraction and lengths of light waves are measured. (Phys. 5.)

Laboratory fee, $5. M., W., 2.00, 3.00; S., 11.30.

9. Analytic Mechanics. C

A discussion of the statics and dynamics of a particle and of a rigid body. Composition and resolution of forces, vectors, center of gravity, work, energy, impulse, moment of inertia, static and kinetic friction. This course may be counted toward a major in Mathematics. (Physics 1–2, Math. 4.)

Juniors and Seniors. M., W., F., 10.30.

10. Astronomy. C

The celestial sphere; astronomical instruments; determination of latitude, longitude, and time; the earth as an astronomical body; the moon's motions and physical characteristics; the sun's physical characteristics; revelations of the spectroscope; eclipses; planets; comets; stars and nebulae. (Phys. 1–2).

Juniors and Seniors. M., W., F., 10.30.

POLITICAL SCIENCE

Professor Abbott

1. Elements of Political Science. A

The origin and development of states and governments, their forms, departments, and functions. This is not a study of any particular state or government but of general principles, with illustrations drawn from the institutions of many states. (Hist. 1–2 desirable.)

Sophomores and Juniors. M., W., F., 10.30.

2. American Government. A

A rapid survey of the whole field, national, state, and local. Descriptive, with sketches of historical development. A good knowledge of American history is desirable.

Sophomores and Juniors. M., W., F., 8.00.

3. English Government. B

The English government, with sketches of its historical development. A general knowledge of English history, as much as may be gained in History 1 and 2, is essential. (Hist. 1–2, or Pol. Sci. 2.)

Juniors and Seniors. T., Th., S., 10.30.

4. European Governments. B

The national and to a small extent the local governments of France, Germany, Italy, and Switzerland are studied in this

course, with constant comparisons between these and the English and United States systems. (Hist. 1–2, or Pol. Sci. 2 or 3.)

Juniors and Seniors. T., Th., S., 10.30.

5. Constitutional Law. C

A study of the Constitution of the United States and its interpretation by the Supreme Court. Of special value for students of United States history and government, and very useful to intending law students. (Hist. 3 or 4, or Pol. Sci. 1, 2, or 3.)

Juniors and Seniors. T., Th., S., 9.00.

6. Municipal Government in the United States. B

The various forms, functions, and powers of city governments in the United States. (Pol. Sci. 1 or 2.)

Juniors and Seniors. M., W., F., 11.30.

7. Business Law. B

The rules of law most commonly involved in ordinary commercial transactions, especially contracts, sales, agency, bailments, and negotiable instruments. An elementary and practical course designed primarily for students who intend to engage in business or in professions other than the law.

Sophomores and Juniors. T., Th., S., 11.30.

8. International Law. C

The nature, sources, and development of the rules governing the relations of civilized states in peace and in war, with special attention to recent modifications of the same and to questions raised by the European war.

Juniors, and Seniors who need the subject to complete a major or minor. T., Th., S., 11.30.

[10. Jurisprudence. C]

An analysis of the underlying principles of law, the relation of law to rights, and a consideration of the fields covered by

private, public, and international law. The subject is important for students who intend to study law, advanced government, or history. Jurisprudence and Roman Law are offered in alternate years. (Pol. Sci. 1 or 7, and 3, 4, or 6.)

Seniors.

[12. Roman Law. C]

This course will deal with some of the main subjects of the Pandects, or Digest of Justinian, which will be studied in the English translation, although a knowledge of Latin is desirable. This course will be useful to those pursuing advanced work in the classics. Jurisprudence and Roman Law are offered in alternate years. (Pol. Sci. 1 or 7, and 3, 4, or 6.)

Seniors.

ROMANCE LANGUAGES

Professor Robinson
Mr. Haller

1*a*, 2*a*. Beginners' French.

The essentials of phonetics; drill in pronunciation; elements of grammar; reading and translation of simple prose; free reproduction of passages read; dictation exercises; study of irregular verbs; easy reading from newspapers and magazines; drill on the spoken language with conversation. Six hours a week. These courses may be elected as two of the courses required of Freshmen, and count six points toward graduation.

M., W., F., 2.00; T., Th., S., 9.00. Mr. Haller.

3, 4. Intermediate French. A

Thorough review of grammar; conversation; dictation; retroversion; outside reading. Much emphasis is laid

upon the reading, in French, of easy texts. (R. L. 1*a*–2*a*, or two years of preparatory school French.)

I: M., W., F., 8.00; II: T., Th., S., 8.00. Professor Robinson.

5, 6. Contemporary French. B

Courses in modern prose, poetry, and the drama, supplemented by a study of some of the more representative French reviews and newspapers, with weekly exercises in writing French. (R. L. 3–4, or three years of preparatory school French.)

M., W., F., 11.30. Professor Robinson.

[7, 8. French Literature in the Seventeenth Century. C]

These courses are designed to give advanced students a good working idea of the Classic period. Special attention is given the first semester to the Classic Drama; and the second semester to Boileau, La Fontaine and the prose writers. The classroom work consists of lectures, with frequent quizzes, supplemented by extensive reading. (R. L. 5–6). Professor Robinson.

[9, 10. French Literature in the Eighteenth Century. C]

A continuation of courses 7, 8. A comprehensive survey of the intellectual and philosophical movements which resulted in the Revolution, the Encyclopedia, Montesquieu, Voltaire, Rousseau; rise of the *drame*. Lectures and outside reading. (R. L. 5–6.) Professor Robinson.

11, 12. French Literature in the Nineteenth Century. C

A study of the different "schools" and movements which have dominated French literature since the Revolution. These courses will alternate with the two preceding courses, no two being given in any one year. The

general plan of the work is the same as in those two courses, of which these are the natural complement. (R. L. 5–6.)

T., Th., S., 11.30. Professor ROBINSON.

13, 14. AN ADVANCED COURSE IN FRENCH SYNTAX. C

These courses, for students planning to teach French, will consist of a critical study of the principles of syntax and the best methods of presenting these principles. They may be counted toward a major in Pedagogy. (R. L. 5–6.)

Juniors and Seniors. M., W., F., 9.00. Professor ROBINSON.

15*a*, 16*a*. ELEMENTARY SPANISH.

Pronunciation; grammar; composition; translation; conversation. These courses are conducted as far as is practicable in Spanish, affording constant drill and practice in the spoken language. Six hours a week. These courses may be elected as two of the courses required of Freshmen, and count six points toward graduation.

M., T., W., Th., F., 3.00; S., 10.30. Mr. HALLER.

17, 18. ADVANCED SPANISH. A

Systematic study of Spanish accidence and syntax. Reading from representative authors of Spanish literature. Composition. Introduction to Commercial Spanish, newspapers, magazines, etc. Spanish prosody. These courses are conducted in Spanish and aim to acquaint the student with the culture of the Spanish-speaking peoples as well as to prepare him to use Spanish commercially.

T., Th., S., 8.00. Mr. HALLER.

THE SUMMER SESSION

THE FACULTY OF 1917

JOHN MARTIN THOMAS, D.D., LL.D.
President

RAYMOND MCFARLAND, A.M.
Professor of Secondary Education, Director of the Summer Session

VERNON CHARLES HARRINGTON, L.H.D.
Professor of English

FRANK WILLIAM CADY, A.M., B.LITT. (Oxon.)
Professor of English

PERLEY CONANT VOTER, A.M.
Assistant Professor of Chemistry

FRANK EUGENE HOWARD, PH.D.
Assistant Professor of Pedagogy

JULIAN W. ABERNETHY, PH.D., LITT.D.
Formerly Principal of the Berkeley Institute, Brooklyn

MINNIE HAYDEN
Teacher of Music, Steinert Hall, Boston

LILIAN L. STROEBE, PH. D.
Associate Professor of German, Vassar College

GLADYS LOTT
Reader and Teacher of Expression, New York and Boston

META HARMS
Head of the Department of German, Packer Collegiate Institute, Brooklyn, N. Y.

GEORGE DURANCEAU DE LA JARRIE, M.D. (Paris)
Director of the French School

J. WILLIAM SPROWLS, A.B., B.S.
Professor of Education, Bethany College

JULIAN MORENO–LACALLE, A.B.
Department of Romance Languages, U. S. Naval Academy

JOSE MARTEL, A.B.
Department of Romance Languages, U. S. Naval Academy

THERESE CAROLINE R. SAUNIER, Brevet Superieur, (France)
Head of French Department, Lincoln School, Providence

HARRIS S. SHAW
Teacher of Organ, Boston

BETTY SCHRAGENHEIM, B.S.
Teacher of German, Leonia High School, N. J.

EMMA PLAMBECK
Instructor in German, Rayson and Graham Schools, New York City

ALFRED SEARS BASSETTE, A.B.
Principal, Schoharie High School, N. Y.

MARY C. COLEMAN
Instructorin Physical Education, Teachers' College

MARTHA ENGELL
Teacher of German, St. Timothy's, Catonville, Md.

AGATHE W. RICHRATH
Assistant in German, Vassar College

ROSALIA P. CUEVAS, B.A., M.A.
Head of Spanish Department, Adelphi College

EVANGELINE AGNES BEN–OLIEL
Instructor in Romance Languages, Paul Institute, Washington

EVELYN KRAUTER
Teacher of German, Charlton School, New York City

LUCILE MERCADO, B.S.
Graduate Student, Columbia University

MARIE HELO LE LAVANDIER, Brevet Superieur, (Versailles)
Teacher of French, The Rieffel School, New York

COURSES OF INSTRUCTION, 1917

At the ninth Summer Session, held June 30 to August 17, 1917, the following courses of instruction were offered:

Organic Chemistry	Assistant Professor VOTER
Industrial and Advanced Inorganic Chemistry	Assistant Professor VOTER
Special Chemistry	Assistant Professor VOTER
The Art of Reading	Miss LOTT
Junior Class in Dramatic Expression	Miss LOTT
Story-Telling	Miss LOTT
Clinical Psychology	Assistant Professor HOWARD
Psychology and Pedagogy of High School Subjects	Assistant Professor HOWARD
Lesson Types and Plans	Professor SPROWLS
Elementary Methods	Professor SPROWLS
Literature as Interpretation of Life	Professor HARRINGTON
Shakespearean Backgrounds	Professor CADY
Methods in English Composition	Professor Cady
The Appreciation of Literature	Dr. ABERNETHY
French Literature since the Renaissance	Dr. DE LA JARRIE
Historic Study of the 17th, 18th, and 19th Centuries	Dr. DE LE JARRIE
Student Conferences and Translations	Dr. DE LA JARRIE
French Philology	Dr. DE LA JARRIE
Phonetics	Mlle. SAUNIER
Theoretic and Experimental Pedagogy	Mlle. SAUNIER
Lectures and Conversations	Mlle. LE LAVANDIER
Junior French Class	Mlle. SAUNIER
German Conversation, Advanced	Dr. STROEBE AND Fräulein RICHRATH

German Conversation, Intermediate	Fräulein Krauter and Plambeck
Phonetics and the Teaching of German. Section A	Dr. Stroebe
Section B	Fräulein Harms
Section C	Fräulein Schragenheim
Schiller's Dramas	Dr. Stroebe
The Dramas of Franz Grillparzer	Fräulein Schragenheim
Prose Composition, Advanced	Fräulein Harms and Plambeck
Special German Courses	Fräulein Engell and Krauter
Method in History	Professor Bassette
Economic History of the United States	Professor Bassette
Public School Music	Miss Hayden
Voice Building	Miss Hayden
Song Interpretation	Miss Hayden
Oratorio and Operatic Arias	Miss Hayden
Reading Class	Miss Hayden
Chorus	Miss Hayden
Piano and Organ Courses	Mr. Shaw
Hygiene and Physical Education for Elementary Schools	Miss Coleman
Physical Education for Women	Miss Coleman
Open Hour for Group Games and Dances	Miss Coleman
Elementary Spanish	Señor Martel and Señoritas Cuevas, Ben–Oliel, and Mercado
Conversational Spanish	Señor Martel and Señoritas Cuevas, Ben–Oliel, and Mercado
The Teaching of Spanish	Señor Moreno–Lacalle
Spanish Literature	Señor Martel
Special Course	Señors Moreno–Lacalle and Martel
Latin-American Geography and Industry	Señor Moreno–Lacalle

GENERAL STATEMENT

The Summer Session is organized to meet the wants of teachers and prospective teachers who are seeking pedagogical and professional improvement, graduate students who are seeking credits toward a higher degree, college students who desire to continue in the summer their work for the baccalaureate degree, and others whose interest is more general. The courses of instruction are carefully organized to meet the requirements of these various classes of students, who are grouped in three sections according to their purpose in pursuing courses and their qualifications for obtaining credits.

Students may enter without examination such courses as they are qualified to take, and without being candidates for degrees; but students who desire credit toward a degree must indicate that fact when they register, and must present evidence of their qualifications before they will be given credits in the college or graduate sections of the school.

Students who complete satisfactorily the course of six weeks will be given upon application a Summer Session certificate indicating the work done. These certificates of work accomplished in the Summer Session are useful evidences of professional study, and are often accepted by examiners, school boards, and superintendents in lieu of examinations on professional study.

THE MASTER'S DEGREE

To obtain the degree of Master of Arts or of Master of Science, thirty credits, representing one year's

work in residence, are necessary. The rule as to securing the Master's degree through work in the Summer Sessions will be found in Graduate Work, Section 3.

SUMMER SESSION OF 1918

THE Tenth Summer Session will open with registration and preliminary conferences on Saturday, June 29, 1918, and will close Friday, August 9. Students will be received in the halls of residence Saturday afternoon, June 29, and will be permitted to remain until Saturday, August 10.

Classes will meet Monday morning, July 1, for the first lectures and assignment of work, and final examinations will be held on August 9. Classes will meet five times a week.

The college laboratories, libraries, halls of residence, and dining halls will be opened with enlarged facilities. The session of 1918 will be fully announced, with descriptions of the various schools, in the February number of the Middlebury College Bulletin. Send applications for this prospectus to The Director, Summer Session, Middlebury, Vermont.

GENERAL INFORMATION

CHARTERED in 1800 and graduating its first class in 1802, Middlebury is the twenty-seventh American College in order of foundation. In the first one hundred and fifteen years of its history 3,286 students attended the college, of whom 2,109 received baccalaureate degrees. On its alumni roll are 658 clergymen, 156 doctors, and 519 lawyers. In educational work there have been 80 school superintendents, 7 school commissioners, 200 college professors, 37 college presidents, and 1,198 teachers. To public life Middlebury has given 12 governors, 18 members of Congress, 4 United States senators, and 100 judges of courts.

ALUMNI RECORD

The progress of the College in recent years has been notable. The attendance in 1917 was three times that of 1906. In the same period the annual income has more than quadrupled, the endowments have more than doubled, and nine new buildings and 214 acres have been added to the campus. The total property of the College is now valued at a million and three-quarters dollars, about three times as much as ten years ago.

GROWTH OF THE COLLEGE

Among the recent buildings are: Hepburn Dormitory and Commons, a residence for 100 men, fire-

proof, with an attractive dining hall and social rooms; the Mead Memorial Chapel, a marble structure of great beauty and impressiveness; the Chemistry building, affording unusual laboratory facilities for that science; and the McCullough Gymnasium, well appointed for physical education and military training. These new buildings are more particularly described on later pages of the catalogue.

JOSEPH BATTELL BEQUEST

One of the most unique gifts of an American college was the bequest of the late Joseph Battell to Middlebury, which was received in 1916. For over forty years Mr. Battell had been acquiring forest and mountain lands in the vicinity of Middlebury with a view to the preservation of the forests and the beauty of the natural scenery of the region. His holdings amounted to about 30,000 acres along the highest ridge of the Green Mountains and including several of the higher mountains of Vermont. Much of the land is heavily wooded and will afford the College the opportunity for the practice of scientific forestry in its immediate vicinity. The value of the estate exceeds $400,000.

HENRY FREEMAN WALKER BEQUEST

A more recent bequest is that of Dr. Henry Freeman Walker of the Class of 1860, of $100,000 for the establishment of a "Furlough and Emergency Fund." The income is to be used to provide a year's furlough for some member of the Faculty each year and to pay the salary of his substitute.

NEW ENDOWMENT

The College is now securing an additional endowment fund of $300,000, toward which a conditional pledge of $100,000 has been received. The entire fund must be raised before July 1, 1918. It is hoped by this means to avert embarrassing deficits during the war.

RELIGIOUS POSITION

Middlebury College seeks to maintain high standards, both for admission and for graduation, and especially as to character and conduct. The founders of the College were men of deep religious faith and earnest moral purpose, and clergymen from the surrounding towns long exercised controlling influence in the Corporation. The endeavor is made to preserve the tradition, although without official connection with any church.

LOCATION

A residential town of 2,000 people, on the Rutland Railroad, with through trains between New York and Boston and Montreal, Middlebury is an ideal location for a rural New England college. The foot-hills of the Green Mountains are a few miles distant. From the heights of the college campus one sees many of the grander peaks of the Adirondacks. The Otter River flows through the town, and in its valley are many of the best farms of Vermont. Elms and maples line the village streets, and the houses betoken modest thrift and quiet taste. Water of unexcelled purity and quantity is brought from mountain springs, eight miles distant. The sale of intoxicating liquor is forbidden

by law, and there are no trolley lines to neighboring cities.

MIDDLEBURY'S SPECIALTY

The specialty of Middlebury is not a department of study, but a type of student. The location of the College in a frugal agricultural region favors economy. For over a century she has sought out particularly the youth from the quiet homes of northern New England and surrounded them with encouragement to modest living while engaged in the pursuits of knowledge. By resolute endeavor college expenses have been kept low. Students who have to work their own way are especially encouraged, in the belief that such students furnish the most healthful tone to an institution of learning. Those who can afford more than Middlebury exacts are invited to consider the advantages to character which come from such an atmosphere in the formative period of life.

INDIVIDUAL TRAINING

The Middlebury idea is that, since no two men are alike, each student needs the particular care and oversight of his instructors during his entire college course. With a small student body and an ample number of professors such oversight is possible, and the unusual success of Middlebury's graduates is believed to be due to its maintenance. For the more certain continuance of this success, the College reserves the right to request the withdrawal, even though no specific charge is made against him, of any student whose presence is considered detrimental to its welfare.

OPENINGS FOR GRADUATES

In these times when the nation is putting forth its utmost strength, no one should undertake a college course without an earnest, definite purpose. The first element of that purpose should be to develop powers of mind and personality which will enable one to lead a life of greater effectiveness and usefulness. There is an increasing demand for college men and women, not only as teachers and in the professions, but also in commerce and industry. No college graduate of character and ability need fail of an immediate attractive opening.

ENGINEERING STUDENTS

Special arrangements have been made for students intending to take up some branch of engineering. The fundamental courses may be taken at Middlebury, enabling the student to enter the Junior year of technical schools of the highest grade. Such an arrangement has been concluded with the Massachusetts Institute of Technology. The advantages of combining a college course with technical training in this manner are very great. Further information may be had from the Professor of Drawing and Surveying.

MILITARY INSTRUCTION

A military department has been organized, the instruction following the lines recommended by the War Department. Students taking the military courses are organized as a battalion of the Vermont Volunteer Militia. The State furnishes rifles and contributes to the cost of the uniform. Credit toward graduation is given for courses in military art.

This training is recommended to all men, and is of special value to those who may later enter some form of military service.

GRADUATE WORK

THE degrees of Master of Arts and of Master of Science may be attained by graduate work completed during the regular college year, or at summer sessions, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from this College, or from one having an equivalent curriculum.

2. Candidates should register during the first week of either semester, or during the first week of the Summer Session. A renewal of all existing registrations must be made at the beginning of each college year.

3. To obtain the degree of Master of Arts or of Master of Science, one year of resident work (September to June), or at least four summer sessions, is necessary.

4. Candidates for either degree, after conference with the instructor or instructors interested, shall outline the work intended and the studies desired, and present such outline to the Committee on Graduate Work for its approval.

5. The major work of the candidate must be undertaken in some department in which there have been completed undergraduate courses of study of such advanced grade as to satisfy the department of his fitness to enter upon graduate work.

6. One half of the work (fifteen semester hours) must consist of specially assigned graduate studies and investigation prescribed by the department in which the major work is undertaken; the remaining half may be pursued in undergraduate courses of C grade recommended by the department in which the major work is taken, and approved by the Committee on Graduate Work. A minimum grade of

80 per cent shall be maintained in all of the courses counting toward the degree.

7. Graduates of Middlebury College who have to their credit work done in undergraduate years, and not counted toward a baccalaureate degree, may count fifteen such credits toward an advanced degree, subject, however, to the provision made for undergraduate courses in Section 6.

8. No credits counted in conferring a first degree at Middlebury College, or elsewhere, shall be accepted for a second degree.

9. The work must be completed within five years after the first registration, unless this period is extended by vote of the Faculty.

10. Besides the regular examinations, the candidate must be examined in the subject chosen for the major study, and at the discretion of the instructor under whose direction this work is done may be required to present a thesis.

11. The degree shall not be given *in absentia*, nor shall it be bestowed before the Commencement following graduation.

12. The regular tuition fees for undergraduate work are charged. An additional fee of $15 is required for the final examination and diploma.

ENROLLMENT

The college year begins on the Monday indicated in the calendar, the first three days, Monday, Tuesday, and Wednesday, being given to registration and to entrance and condition examinations. Every student is required to enroll at the Registrar's office on one of these days, and on the Thursday, Friday, and Saturday preceding the beginning of the second semester. A charge of $5.00 will be made for each enrollment after the days assigned for registration.

Students in the first semester of the Freshman year are limited to five courses, double courses in language counting as two. To take six courses in any subsequent semester a student must have attained an average of 75 per cent in the courses of the previous semester; to take seven courses he must have obtained an average of 80 per cent. In the second semester of the Senior year, a student may have permission, at the discretion of the Administration Committee, to take one more course than the number to which he is entitled by his grades, if necessary for graduation in June. Previous to that semester, seven is the highest number of courses that may be taken.

SCHOLARSHIP

The scholarship of the students is graded on the scale of 100 per cent, as follows:

A, 90–100 per cent; B, 80–89 per cent; C, 70–79 per cent; D, 60–69 per cent; E, below 60 per cent.

Reports of standing are made twice each semester, those made at mid-semester being merely tentative. At the end of the semester, reports are given on cards, and notices of failures are sent to both student and parent.

Beginning with the Class of 1921, not more than one course below C grade in any semester will be counted toward graduation.

A student with 24 points to his credit at the beginning of the college year, not including credits received in Physical Education, will be ranked as a Sophomore for that year; one with 54 points, a

Junior; one with 84 points, a Senior. At the beginning of the second semester a student who is ranked as a Freshman, but who has 39 points, not including Physical Education credits, will be advanced to Sophomore rank; one ranked as a Sophomore, with 69 points, to Junior rank; one as a Junior, with 99 points, to Senior rank.

Credits for more than three courses will not be given an undergraduate at a Summer Session.

EXAMINATIONS

If a student is inexcusably absent from an examination it will be treated as a failure and will be recorded as a condition. A student unavoidably absent from college at the time set by the Registrar for taking the examination will be given his opportunity immediately upon his return to college or before the beginning of the corresponding semester of the following year. If he fail to meet this requirement, he must repeat the course with the following class if the subject is a required one.

The semester grade in any study is obtained by combining the recitation mark with the examination mark in the ratio of three to one.

A student whose term mark in any course falls below 50 per cent is excluded from the examination and must, if the subject is a required one, repeat it with the following class.

A student will be conditioned whose combined recitation and examination mark at the close of a semester is below 60 per cent, and no student will be allowed to pass whose examination mark is below 50 per cent.

CONDITIONS IN COLLEGE WORK

A STUDENT who fails to pass an examination at the close of the first semester, and is thereby conditioned, is given an opportunity to take another examination either on the first day after the Easter recess, or on such one of the first three days of the next college year as shall be determined by the Registrar.

A student who is conditioned at the close of the second semester may take an examination on such one of the first three days of the next college year as shall be determined by the Registrar, or on the first day after the Christmas recess. In order to take such an examination, a request must be made to the Registrar one week in advance.

No exception will be made except in the following cases:

1. A Senior may take an examination for each deficiency, or condition, incurred during the Senior year, on the Friday preceding Commencement.

2. If the course in which a student has been conditioned is given in the Summer Session, he may remove the condition by taking that course and passing at its close an examination which will be based upon the regular college course and, if possible, be set by the instructor who imposed the condition.

To remove a condition the average of the term mark and the new examination mark combined in the ratio of three to one must reach 60 per cent.

Any student failing to make up a condition as provided for above must repeat the course with the following class if the subject is a required one, even

though, from conflict of hours, or any other cause, it necessitates for him the temporary omission of some of the regular work of his class.

COLLEGE REGULATIONS

The College places in the hands of each student a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, conditions, and student activities. The regulations here given are extracts from that pamphlet.

HONORARY APPOINTMENTS

The Faculty, under the direction of the Corporation, give two honorary appointments for Commencement: to the leader of the men in the Senior class the appointment of valedictorian, and to the leader of the women that of salutatorian. These appointments are of equal rank.

SPECIAL HONORS

As an incentive to best work by such students as have the ability to do more than should be required of the majority, and to promote and encourage special investigation in the various departments of the curriculum, the Faculty have established a system of honors. These are divided into two classes, Honors and High Honors, and are subject to the following regulations:

1. The candidate must have completed major work in the department in which Honors are sought.
2. Enough more than fifteen hours a week must have been carried in the undergraduate courses to insure to the

candidate at graduation a surplus of at least six credits above the credits required for the Bachelor's degree.

3. The requirement of the six extra credits may be met by the fulfillment of work in research or special investigation assigned by the department in which Honors are sought; or by the completion of two C courses in that department, provided that they are of that grade which would be counted for the Master's degree.

4. The attainment of 80 per cent for Honors, or 90 per cent for High Honors, is requisite as an average rank in the courses which have been taken in completing the major work of the department, and also in the special work performed in the attainment of the six extra credits.

5. On the completion of the six extra credits, whether attained in independent investigation or in class-room work, an examination shall be given covering as much of the work of the department which the candidate has taken as shall be deemed necessary, and, at the discretion of the instructor, a thesis may be assigned.

6. If the additional six credits for an Honor be pursued in class-room courses, these courses must be taken in accordance with the rules regarding extra hours.

7. Credits for Honors may be counted later toward the Master's degree.

These honors will be printed on the Commencement programme and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the President and the professor of the department, stating the nature and quality of the extra work done.

The degrees of A.B. and B.S. are conferred *cum laude* upon those who have attained an average rank, for the entire course, of 85 to 90 per cent; *magna cum laude* if that rank is 90 to 95 per cent; *summa cum laude* if it is 95 per cent or above.

PHI BETA KAPPA

The Middlebury Chapter of the Phi Beta Kappa Society is the Beta of Vermont. Those of the first one-fifth of the men, and of the first one-fifth of the women, of each graduating class who have attained an average rank of 87½ per cent for the first seven semesters of the college course are eligible for election to membership.

PRIZES

The Parker Prizes. Established by gift of Daniel Parker, Esq., in 1807, and Professor Frederick Hall in 1820. Two prizes of $20 and $10 to two of the competitors in the Freshman class who are adjudged the best speakers at a contest held at some time during the second semester.

The Merrill Prizes. Established in 1882 by bequest of Rev. Thomas Abbot Merrill, D.D., Trustee, 1806–55. Four awards, $25, $20, $15, and $10, to the four men of the Sophomore class adjudged the best speakers at the same contest.

The Deacon Boardman Peace Prize. Established in memory of Samuel Ward Boardman (1789–1870). An annual prize of $30 to the member of the Junior class submitting the best essay in favor of peace, and in opposition to war as a method for settling international differences. The essay must be creditable as a literary composition and consist of at least 2,000 words.

The Pedagogy Prizes. Two prizes of $30 and $20 for the students of the Department of Pedagogy submitting the best essays on educational topics.

The Latin Prizes. In the Latin Department, recognition is made of excellence in the work of the second semester of the Sophomore year, including the preparation of a note-book exhibiting the debt of English poetry to Horace, by a first prize of $10, and second and third prizes of photographs of classic art.

THE EGBERT STARR LIBRARY

The Library of Middlebury College is older than the institution itself. Before the granting of the charter the benevolent and progressive citizens of the town had collected some 500 well-chosen volumes for the use of students. Volumes bearing the autographs of some of the founders are still on the library shelves. In the early history of the College two flourishing student organizations, the Philomathesian and Philadelphian Societies, founded libraries which were unusually extensive and valuable for the time, and many of their volumes are still among the treasures of the College. Great improvement in the Library was made during the administration of President Cyrus Hamlin (1880–85), who removed the books from the Chapel to the north division of Painter Hall, and opened all the shelves to the students.

The beautiful and convenient marble Library now occupied was erected with funds bequeathed by Mr. Egbert Starr, and dedicated during the centennial exercises of the College in July, 1900. The cost of the building was $50,000, to which was added $5,000 for its decoration and $5,000 for the purchase of books by the son of the donor, Dr. M. Allen Starr. The front of the building is wholly devoted to a large and con-

venient reference library, and the capacity of the stacks is 90,000 volumes. The entire Library, which is a depository of government publications, now contains about 45,000 volumes. The number of volumes added the past year was 1,625, exclusive of government documents. Students are granted free access to all the shelves. The building is open continuously through the day and evening, and Sunday afternoon. The reference rooms contain a large number of reviews and magazines, and reading rooms with daily and weekly papers are maintained in Painter and Pearsons Halls. A reference library on education is provided in the rooms of the Department of Pedagogy.

The Library staff consists of three regular attendants and a few students who are given employment by the hour. The appropriation for Library purposes is $4,652 for the present year, exclusive of the cost of heating, lighting, and janitor service.

The College is desirous of possessing as complete a collection as possible of the publications of Middlebury graduates, and alumni who are authors of either books or pamphlets are requested to coöperate in bringing this about by presenting the Library with copies of their works.

THE WARNER SCIENCE HALL

The studies in the Departments of Physics, Biology, Geology, and Home Economics are pursued in the large and convenient Warner Science Hall, erected in 1901 through benefactions of the late Ezra J. Warner, of the Class of 1861. The building is a memo-

rial of his father, Hon. Joseph Warner, formerly a resident of Middlebury, and a trustee of the College from 1850 to 1865. By the will of Mr. Warner the College has received a bequest of $25,000 for the care and maintenance of the Hall, and for the purchase of supplies for the departments which it accommodates.

The Department of Physics is located on the first floor, and comprises a main laboratory for student use with sufficient apparatus for two full years of study and investigation in Physical Science, a private laboratory for the instructor, and a physical lecture room.

In the summer of 1913 the Department of Chemistry was moved to a new building, and the second and third floors of Warner Hall were divided among the Departments of Biology, Geology, and Drawing and Surveying.

A pleasant and convenient laboratory of Home Economics has been fitted up and equipped.

Advanced study and independent research are encouraged in each of the natural and physical sciences, and in the modern and well-furnished laboratories of this building abundant opportunities are afforded to the student.

THE HALL OF CHEMISTRY

In September, 1913, the Department of Chemistry was established in the new laboratory building erected with a portion of the General Education Board fund of $200,000.

This building is 44 by 100 feet, three stories, and the basement is lighted with full-sized windows, so

that for all practical purposes it constitutes another story. The material is Vermont marble, laid in random ashlar, with rubbed white marble trim.

In the basement are the combustion and assay rooms, the organic laboratory, the laboratory for water and milk analysis, the fan room for the extensive flue and ventilation system, a balance room, two dark rooms for photography, and four store rooms.

The first floor is used at present for the Departments of Romance Languages and Mathematics, and for a portion of the work in English.

The second floor provides two large laboratories for qualitative and quantitative work, a private laboratory for research work, a large library and conference room, a hydro-sulphide room connecting with the qualitative laboratory, two balance rooms, and a store room.

On the upper floor are the general chemical laboratory, which is fitted with fifty-six desks and ample hood room, a large lecture room with raised seats and a lecture table with hoods, a store room, a balance room, and the private laboratory and office of the head of the department.

The building is completely equipped with water, air, and gas pipes, and with electricity for light and power. The interior finish is white unglazed brick. The building is perfectly lighted by a hundred spacious windows, and is attractively located on the college quadrangle, facing the McCullough Gymnasium.

THE MUSEUM OF NATURAL HISTORY

Among the professors of the College for many years have been men of marked ability in natural science, who have shared with the institution the fruits of their researches. One of the earliest geological surveys of Vermont was conducted by Professor Charles B. Adams, who then occupied the chair of Natural History. He laid the foundation for the large collection of fossils representing the different geological formations. The work of Professor Henry M. Seely, long connected with the College, is in evidence in the large collection of fossils of the Champlain Valley.

In Botany, the complete series of the flowering plants and ferns of the Champlain region, which was collected by President Brainerd, is especially notable. This herbarium is constantly increasing, and valuable additions have been made in recent years in the higher fungi and other cryptogamous plants gathered by Dr. Edward A. Burt.

The Zoölogical Museum has recently received accessions from the Smithsonian Institution and from Hon. A. Barton Hepburn, of the Class of 1871.

THE McCULLOUGH GYMNASIUM

In 1910 Hon. John G. McCullough of Bennington offered to give $25,000 toward the erection of a gymnasium, and the alumni of the College completed a gymnasium fund of $50,000 at Commencement of that year. The building was dedicated at the Commencement of 1912. The material is light marble, and the style colonial, like the other buildings of the College. The dimensions are 110 by 57 feet. The main

floor contains a large exercising room and basket-ball court, with a room for smaller gymnastic classes, which also serves as a stage for dramatic representation. The first floor contains a locker room, with space for 375 lockers, abundant shower baths, director's office and examination room, faculty locker room, two handball courts, boxing and fencing room, and quarters for visiting athletic teams. A convenient serving room renders the building available for college banquets.

Courses in Physical Education are offered to all students and are required of Freshmen. This work is under the direction of Doctor Jacob J. Ross, who is also in charge of all college athletics. He is assisted by Mr. Simeon Murch, coach in baseball. General supervision of athletics is exercised by the Athletic Council, composed of members of the Faculty, alumni, and students, Assistant Professor Phelps N. Swett, chairman.

THE PORTER ATHLETIC FIELD

The College recently acquired a new athletic field, purchased and equipped at a cost of $10,000, the gift of a friend. The field is east and south of the Library, lands extending from the Cornwall road to South Street, owned recently by Professor Howard, the Linsley estate, and Mr. J. Edwy Buttolph, but known to older graduates as part of the Porter farm. It is about eighty acres in extent, beautifully situated, rolling meadow and pasture, with never-failing springs and a grove of large pines, and commands an extensive view of the Green Mountains. A quarter-mile cinder track has been built, and also a field for

baseball and football. A residence street, extending from Main Street to South Street, has been constructed. The athletic field is known as Porter Field.

A grand stand, with locker and dressing rooms and shower baths, and also a skating pond, have recently been constructed.

In 1917 the College acquired one hundred additional acres with a frontage on the river. A large boat house has been constructed at a cost of $5,000.

COLLEGE OFFICES

The office of the President is located on the third floor of the Chapel. The President may be seen from 10:30 to 12 A.M. every day except Sunday, and consultation by students on any subject of importance to them is cordially invited. When the President is out of town the Dean is in charge of the College. A catalogue of all graduates, former students, and friends of the College is kept in the office, and prompt notification of change of address is requested. The President's home is the large dwelling built for the purpose by President Kitchel and purchased for the College with funds contributed by Hon. Joseph Battell, of the Class of 1823.

The Dean's office is in Painter Hall, middle division. Men desiring to be out of town while College is in session should first secure permission there. Excuses for absence are also presented at that office.

The Dean of Women has her office in the north division of Painter Hall, where women may offer reasons for absence.

The office of the Registrar is in Painter Hall, middle division. All students are expected to register at

the beginning of each semester. The Registrar's office will be open for this purpose on and after the Monday beginning the college year.

The Treasurer of the College has his office in the Battell Block. At the opening of the college year, and again at the beginning of the second semester, the Treasurer will establish a temporary office in one of the College buildings, for the convenience of students in the payment of bills.

THE MEAD MEMORIAL CHAPEL

On May 15, 1914, ex-Governor John A. Mead, of the Class of 1864, signified his desire to erect a chapel for the College. His letter of gift said: "I have in mind a dignified and substantial structure in harmony with the other buildings of the College, and expressive of the simplicity and strength of character for which the inhabitants of this valley and the State of Vermont have always been distinguished."

In accordance with this gift the Mead Memorial Chapel was erected in 1915–16 and dedicated at the Commencement of 1916. It is a most beautiful white marble structure, colonial in design, of the New England meeting-house type, with a rich and impressive interior. The chancel is exceptionally large, with ample accommodations for the Faculty and a large choir. The chapel contains a large pipe organ. In the tower is a chime of eleven bells, the gift of ex-Governor and Mrs. Mead.

RELIGIOUS SERVICES

A CHAPEL service is held each week-day at 10 A.M. Attendance is required. A service with sermon is held on Sunday at 5 P.M., and all students are required to attend unless excused for urgent cause. These services are conducted ordinarily by the President. The music is in charge of the Director of the Music Department. The vested choir is composed of twenty-four students, chosen by competition.

Student religious services and Bible classes are held under the auspices of the Young Men's and Young Women's Christian Associations.

The college is non-sectarian, having never had any official connection with any church, but seeks to promote a healthful religious influence.

HEPBURN HALL

A NEW dormitory and commons for men has been erected for the College by Hon. A. Barton Hepburn, of the Class of 1871. Accommodations for one hundred men are contained in a five-story building, 150 by 65 feet. Connected by a loggia is the three-story commons, 67 by 34 feet. The exterior is brown tapestry brick, with gray stone trim. The design is colonial, in harmony with other buildings of the College. The construction is fire-proof, with composition floors and brick and tile partitions.

The rooms are *en suite*, with a study for each two men. All bedrooms are single. Each suite is connected with a toilet room, which is shared by two students. There are two separate shower-bath rooms on

each floor, with three showers each. All rooms are outside and are well lighted.

The commons contains a dining hall for 115 persons, the kitchen and store rooms being below. Above the dining hall are social rooms of equal size, pleasant meeting and reading rooms for the men of the College. The largest room is uniquely decorated with trophies of the hunting expeditions of Mr. Hepburn in Africa and Western North America. No pains have been spared to make the complete building a safe, healthful, and convenient college home for men.

The rooms are furnished with single bed, mattress, desk, chiffonier, and chairs for each student.

The location of Hepburn Hall, on one of the highest points of the campus, commands views of exceptional beauty of the village, Otter Valley, and both the Green and the Adirondack mountains.

The charge for rooms is from $60 to $100 a year for each occupant, depending upon location. Full janitor service is provided and there is no additional charge for heat or light. A matron has her home in the building. Special circular, with floor plans, will be sent on application to the Assistant Dean.

PAINTER AND STARR HALLS

Painter Hall was completed in 1815. It is the oldest college building in Vermont, and one of the best examples of colonial architecture in New England. It was first known as West College, but since 1846 has borne the name of Gamaliel Painter, one of the founders of the College and a generous benefactor.

Starr Hall was built in 1861, and was rebuilt, after

a disastrous fire, in 1865. The funds for its erection were contributed by Charles and Egbert Starr. It has thirty-two suites, designed for two students each, consisting of study, bedroom large enough for two single beds, and closets.

Both halls are of gray limestone, and are substantial and comfortable buildings. A few years ago they were remodeled and furnished with bathrooms, water-closets, steam heat, and electric light. The charges for rooms in both dormitories are the same, and are exceedingly moderate: $40 a year per student when two occupy a room, and $80 when a room is occupied singly, including light and heat in each case. The rooms in both halls are furnished with single iron beds; other furniture must be provided by the student, and may be purchased in Middlebury. Students should bring bedding.

ASSIGNMENT OF ROOMS

In assigning rooms, preference is given to students in College in order of classes. A drawing for rooms for 1918–19 will be held April 6, 1918. Students now occupying rooms, and desiring to retain the same, may do so by depositing $5 advance payment on room rent with the Assistant Dean before April 6. Others desiring rooms for next year, including incoming students, may secure reservations by making the $5 advance deposit. Such reservations may not be canceled after September 1. Students reserving rooms are responsible for room rent during the year, unless they withdraw from college. Rooms not taken April 6 will be assigned to

students applying later in order of application, irrespective of classes.

The halls will be ready for occupation by the students on the noon of the Saturday that precedes the opening of College after any vacation period; they will be closed for all vacation periods on the noon of the first Saturday after the period begins.

HALLS OF RESIDENCE FOR WOMEN

Pearsons Hall, a new building for women, was opened at the beginning of the college year in 1911. It is located on a commanding height overlooking the village, from which wide views of the Adirondacks and Green Mountains are obtained. The hall is of marble, of pleasing colonial design, and contains a large social hall, a gymnasium, and dressing and bathing rooms, besides both single and double living rooms.

Battell Cottage was enlarged in 1910, the addition furnishing the dining hall and kitchen for both the Cottage and Pearsons Hall. The two buildings together accommodate about one hundred women.

A new home for women, accommodating fifteen, was constructed in the summer of 1913. It is located on the campus of the Women's College, and is known as Hillside Cottage.

The price of board and room in each building is $230 a year, payable semi-annually in advance to the Treasurer of the College. Applications for rooms may be made to the Assistant Dean, Middlebury College.

EXPENSES

THE location of the College in a small village in a frugal agricultural region favors economy, and by a resolute endeavor the expenses of students have been kept extremely moderate. The charges of the College are small, and the general expenses of students should not be large. The following table indicates the principal items:

Tuition	$100.00
Room rent in Hepburn, Starr, or Painter Hall, including heat and light	40 to 100.00
Table board for 37 weeks, at $4 a week	148.00
Gymnasium and Athletic Fee:	
Men	10.00
Women	5.00
Military Uniform	6.00
Graduation Fee (Seniors only)	11.00

In most of the elective courses in Chemistry, Biology, and Physics, a laboratory fee for each semester is charged, as specified in the announcements of the several courses.

The charges for room rent are on the supposition that two students occupy a suite. When a student rooms alone, the charge for rent is doubled.

Board and room for women in Pearsons Hall, Battell Cottage, and Hillside Cottage are $230 a year, payable semi-annually in advance.

The payment of bills, including room rent, is required at the opening of each semester, before the student enters upon college work. This rule includes the charge for board at the halls for women. On

registration, a certificate of payment from the Treasurer's office is required.

The charge for tuition is the same for men and women. From $400 to $500 should suffice for all expenditures, and by strict economy many students maintain themselves on less. Attention is called to the sections on Self-Help and Scholarships.

SELF–HELP

For many years Middlebury has been known as a college at which exceptional opportunities are afforded to students who must depend largely upon their own resources in securing an education. The principal assistance a college can render in this respect is in keeping expenses down, especially the charges for room and board. Employment by which the student may earn a part of his expenses can frequently be obtained about the College or in the village, although no definite statement can be made before the student has arrived and his capacity and fitness are determined. While, however, the College can promise nothing to untried candidates, it will help in every way possible all who prove themselves capable and willing. Occupations in which students find employment are waiting on table, care of furnaces, farm and garden work, typewriting, tutoring, etc. The Assistant Dean conducts an employment bureau for men, and applications for work should be made to him.

SCHOLARSHIPS

The College has a generous number of student benefits, many of them given in early years at great self-

sacrifice on the part of the donors. The income of these funds is expended exclusively in payment of the tuition, in part, of needy and deserving students of good deportment and application. When the number of students was much smaller, these funds allowed a somewhat more liberal bestowment of beneficiary aid than is now possible. It is not expected that those whose circumstances admit the full payment of college bills will apply for scholarship assistance. It is earnestly desired, however, that, where need requires, those who might not otherwise be able to receive a college education will apply for aid from this source. The College has a long record of special encouragement to those who are obliged to secure an education largely through their own efforts. Correspondence concerning scholarships should be directed to the President, who will furnish blanks for application.

Any scholarship may be forfeited at any time during the course through negligence or misconduct. When a student incurs more than one condition in any semester, or when his passing grade has been raised twice in any course, or once in any two courses, in any semester, because of unexcused delinquencies, the scholarship allowance for that semester is thereby forfeited.

Among the student benefits dispensed by the College are the following:

The Waldo Fund, $10,000, established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston.

The Baldwin Fund, $28,121, received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N. J.

The Warren Fund, $3,000, given in 1835 by bequest of Deacon Isaac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel Ministry.

The Fairbanks Scholarships, $2,000, established by Thaddeus Fairbanks, Esq., of St. Johnsbury.

The Levi Parsons Scholarships, established by Hon. Levi Parsons Morton of New York City.

The Daniel O. Morton Scholarship, established by Hon. Levi Parsons Morton of New York City.

The Penfield Scholarship, $1,000, established by Allen Penfield, Esq., of Burlington.

The Emma Willard Scholarship, $2,000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women.

The Charles A. Field Scholarship, $300, given to the village of Proctor, Vermont, "as a memorial of regard for Fletcher Dutton Proctor and of gratitude to him, and for courtesies received at the hands of other residents of said village."

The A. P. Stafford Fund, $1,000, established "to assist needy students from Wallingford to an education."

The Windham County Congregational Conference Scholarship, $600.

The Joseph Battell Scholarships, $1,000 annually for young women of Addison County.

STATE SCHOLARSHIPS

The College receives from the State of Vermont an annual appropriation of $4,800 for the payment to the amount of $80 annually of the tuition and incidental college charges of sixty students, one of whom shall be designated and appointed each year by each Senator in the General Assembly, such appointment to be made by such Senator from his respective county, provided any suitable candidate shall apply therefor, otherwise from any county in the State.

Any Vermont student desiring to take advantage of a State scholarship should apply to one of the Senators of the county in which he resides, and the Senator may thereupon give him a certificate of appointment for a period of two years. Should the Senators in the applicant's county already have made appointments, the student should immediately apply to the President of the College, as there may be a vacancy from some other county of which the applicant may avail himself. Under the present statutes, each Senator may make one appointment each year, and each scholarship is good for two years.

Students of both sexes are eligible for appointments to State scholarships. The same regulations as to forfeiture through misconduct and incurring conditions apply to State scholarships as to student benefits owned by the College.

THE GENERAL CATALOGUE

The 1915 General Catalogue of Middlebury College was placed on sale at the last Commencement.

An immense amount of painstaking care went into its preparation, and a comparison of its pages with those of its predecessor of 1900 will show at once its greater scope and value. Every feature which has made the earlier work so indispensable during the last seventeen years is retained in the present volume, and new features increasing both the extent and the accessibility of the contents have been added. The biographical records since 1900 are, of course, entirely new, but those of earlier classes, back to the very beginning of the College, have been brought to date and supplemented wherever possible. The reception accorded the General Catalogue of 1900 was most enthusiastic, and it is believed that even higher praise may rightfully be bestowed on the new volume. The price of the Catalogue, handsomely bound in a dark blue cloth and uniform with the 1900 edition, is $2.00, postpaid. Orders should be sent to Mr. E. J. Wiley, Assistant Dean.

THE ASSOCIATED ALUMNI

The officers and committees of the Associated Alumni of the College for 1917–18 are: President, C. E. Hesselgrave, '93; Vice-Presidents, W. M. Ross, '86, E. E. Howe, '88, E. B. Clift, '90; Secretary and Treasurer, E. J. Wiley, '13; Central Committee, F. W. Cady, '99, D. Stewart, '08, A. B. King, '12; Necrological Committee, T. E. Boyce, '76, S. S. Eddy, '94, P. E. Mellen, '04.

ALUMNI AND ALUMNAE ASSOCIATIONS

The officers of the New York Association are: President, L. M. Seely, '95; Secretary, W. R. Wheeler, '08; Executive Committee, P. Wilds, '02, R. F. Hunt, '10, E. S. S. Sunderland, '11.

The officers of the Boston Association are: President, C. S. Reynolds, '12; Secretary, K. S. McLean, ex-'13; Treasurer, O. K. Collins, '02; Executive Committee, Miss Harriet I. Cole, '06, A. K. Parker, ex-'10.

The officers of the Vermont Association are: President, B. L. Stafford, '01; Vice-President, H. L. Skeels, '98; Secretary and Treasurer, E. J. Wiley, '13.

The officers of the Western New England Association are: President, R. P. Dale, '11; Secretary, Miss Marguerite A. Ellison, '12; Treasurer, H. R. Denison, ex-'14; Executive Committee, J. A. Viele, '09, D. D. Jackson, ex-'13.

The officers of the Alumnae Association are: President, Miss Florence Hemenway-Wells, '00; Vice-President, Mrs. Elizabeth Bowles Harrington, '02; Secretary and Treasurer, Miss Gwendoline Hughes, '07; Executive Committee, Mrs. Florence M. Aseltine Branch, '14, Mrs. E. Pruda Harwood Wiley, '12.

The officers of the Worcester County (Mass.) Alumnae Club are: President, Miss Grace M. Ellis, '12; Secretary and Treasurer, Miss Anne F. Smith, '06.

NEEDS OF THE COLLEGE

THE College is in urgent need of a larger endowment and is now endeavoring to secure a fund of $300,000, toward which a pledge of $100,000 conditional upon the pledging of the entire sum before July 1, 1918, has been made. Gifts toward this fund or for any department of college work will be gratefully received.

The Trustees are prepared to execute annuity agreements with persons who desire to retain the income from their funds, but who wish the College to receive the principal on their decease. The funds of the institution are sufficient to make such annuities entirely safe, and usually a larger rate of interest can be promised than is obtained from high-grade investments. Further information can be had from the President.

FORMS FOR BEQUESTS

THE corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of_____dollars, to be used by the Trustees of said College for such purposes and in such manner as they shall deem appropriate.

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of_____dollars, to be invested by the Trustees of said College, and the income thereof to be applied to the uses of said College in accordance with the terms of its charter.

DEGREES CONFERRED IN 1917

HONORARY DEGREES

Doctor of Laws

Frederick B. Jennings — Ira L. Reeves
Eleazer L. Waterman

DEGREES IN COURSE

WITH COMMENCEMENT APPOINTMENTS

Master of Science

William Cleaver Langston, *Furman*

Bachelor of Arts

Augustus Palmer Benedict
Caleb Thorndyke Brickett
Harold M. Davis
William Henry Edmunds
Harold Edmund Hollister
Harry Walter Hyde
Webster Evans Miller†||
Roy Robert Sears
Emory Heath Towne

Katherine Ball[3]
Clara Pauline Barnum
Elizabeth Mary Barrett[3]
Mary Narcissa Bowles†[7]
Letitia Elizabeth Calhoun
Isabelle Bridget Carrigan
Marie Louise Champagne[5]
Jennie Craigue[4]
Helen Beulah Cussons†¶
Gertrude Eliza Dratt ‡¶
Madalene Katie Foster‡§¶
Gladys Marion Frost[4]
Ruth Fay Hall†[6]
Hester Hazel Harding†
Alice Gertrude Harriman
Marguerite Elizabeth Heaphy†¶
Winifred Lillie Jeffords†¶
Marjorie Elizabeth Leach
Helen Elizabeth Linnell
Marjorie Anna Mackenzie[4]
Marjorie Bates Phelps

Doris Atkinson Richards†
Violet Elizabeth Richardson†[5]
Anna Marie Rourke
Cecile Maude Thomas
Huldah May Thomas†¶
Evelyn Elnora Wright

Bachelor of Science

Eugene Field Boyce
Thomas Francis Bresnahan
Darrell Douglass Butterfield
Robert Frankland Coates
Harold Allen Damon
Said Dartley
Karl William Davis
Theodore Henry Dewhirst
Randall Douglass Esten
Senichi Fujimura
Harold Blake Gammell
George Wilberforce Grant
Milton Laurence Hard
Roy Dudley Harris
Sumner Denby Harrison
Earl Frederick Horsford
Eugene Plinius Hubbard
Fred Paul Lang
Charles Ridgely Lee, Jr.[2]
Dan Owen Mason
Vinton Wesley Mitchell
Arthur Maurice Ottman
John Mathew Quirk
Rowland Vernon Ricker[2]
William Slade, Jr.
Arthur Thomas Vaughn[2]
Norton Moore Williams

Lois Sirena Bodurtha
Louesa Griffing Bullis
Marina Louise Holmes[1]
Helen Harriet Lyman
Helen Simms

|| Valedictory Addresses.
§ Salutatory Addresses.
† Degree conferred *cum laude*.
[1] High Honors in Biology.
[2] Honors in Chemistry.
[3] Honors in English.
‡ Degree conferred *magna cum laude*.
¶ Phi Beta Kappa.
[4] Honors in Latin.
[5] High Honors in French.
[6] High Honors in German.
[7] High Honors in Home Economics.

PRIZE SPEAKING AWARDS

MERRILL PRIZES

Class of 1919

First Prize. Paul Eli Pitkin
Second Prize. James Dayton Searles
Third Prize. Cecil Plumb
Fourth Prize. Harrie Lyon Smith

PARKER PRIZES

Class of 1920

First Prize. Henry Seely Thomas
Second Prize. William Allen Huggard

PRIZES IN HORACE

First Prize. Mabel Pauline Rising, '19
Second Prize. Ella Florence Fellowes, '19
Third Prize. Louetta Augusta Haynes, '19

PRIZES IN PEDAGOGY

First Prize. Winifred Lillie Jeffords
Second Prize. Vinton Wesley Mitchell

DEACON BOARDMAN PEACE PRIZE

Harold Franklin Drew, '18

STUDENTS *

[The letter *a* after the name of a student indicates that he is a candidate for the degree of Bachelor of Arts; the letter *s*, that he is a candidate for the degree of Bachelor of Science.]

SENIORS: CLASS OF 1918

Walter Edward Anderson	*s*	*Fitchburg, Mass.*	A. S. P. House
William Russell Brewster	*s*	*Windsor*	A. S. P. House
Richard Harrison Buffum	*a*	*Winchester, N. H.*	18 Hepburn Hall
James Cardell	*a*	*Bristol*	K. D. R. House
Henry Hamblin Chapman	*a*	*Middlebury*	18 Hepburn Hall
Guy Newton Christian	*s*	*Georgetown, Mass.*	A. S. P. House
Henry Mabbitt Crippen, Jr.	*s*	*Ballston Spa, N. Y.*	2 Hepburn Hall
Roscoe Edwin Dake	*s*	*Middle Grove, N. Y.*	K. D. R. House
Charles Andrews Danolds	*s*	*Medina, N. Y.*	20 Weybridge St.
Harold Franklin Drew	*s*	*Haverhill, Mass.*	20 Weybridge St.
Robert Samuel English	*s*	*Charlotte*	K. D. R. House
Britton Armstrong Everitt	*a*	*Basking Ridge, N. J.*	11 Starr Hall
Kenneth McKenzie Gorham	*s*	*Middlebury*	12 Weybridge St.
Louis Greene	*a*	*Weybridge*	Middleb'y R. D. 1
Charles Julius Lyon	*s*	*Stamford, N. Y.*	A. S. P. House
Carl Huntress Moulton	*s*	*Underhill*	41 Hepburn Hall
Forrest Guilford Myrick	*a*	*Bridport*	34 Hepburn Hall
Urban Henry Parker	*a*	*Morrisville*	A. S. P. House
Marion Smith Webb	*s*	*Beacon, N. Y.*	13 Hepburn Hall
Frank Carl Whitney	*a*	*Salisbury*	Chi Psi Lodge

JUNIORS: CLASS OF 1919

Leon McKinley Adkins	*a*	*Ticonderoga, N. Y.*	K. D. R. House
Arthur Elias Axt	*a*	*Newark, N. J.*	30 Hepburn Hall
Wallace Chase Bascom	*a*	*Hollis, N. H.*	51 Hepburn Hall
Don Alexander Belden	*s*	*Akron, O.*	K. D. R. House

* The student lists here given are from the Registrar's records of November 15.

Manuel Octavio Bolivar	*s*	*Santiago, Cuba*	D. K. E. House
Henry Dwight Carle	*s*	*Hyde Park, Mass.*	K. D. R. House
John King Cheesman	*s*	*Providence, R. I.*	3 Hepburn Hall
Stuart Dunshee Douglas	*s*	*Scranton, Pa.*	51 Hepburn Hall
Leland Edward Fanning	*a*	*Laurel, N. Y.*	11 Starr Hall
Clarence Edwin Hamilton	*a*	*Knowlesville, N. Y.*	19 Hepburn Hall
Franklin Adrian Hebard	*s*	*Southbridge, Mass.*	8 Hepburn Hall
Roland Carlysle Holbrook	*s*	*Newport*	K. D. R. House
Harry Elmer Jenne	*a*	*Newport*	A. S. P. House
Frederick Langdon Jones	*s*	*Castleton*	12 Starr Hall
Paul Eli Pitkin	*s*	*Marshfield*	K. D. R. House
David Willard Reid	*s*	*Adams, Mass.*	14 Hepburn Hall
Harold Butler Tatro	*s*	*North Adams, Mass.*	D. K. E. House
Robert Leroy Taylor	*s*	*Jay, N. Y.*	1 Hepburn Hall
John Benedict Todd	*a*	*Bristol*	K. D. R. House
Leo Barnard Towers	*s*	*Castleton*	3 Starr Hall
Howard Whitman Watson	*a*	*Dorchester, Mass.*	17 Painter Hall

SOPHOMORES: CLASS OF 1920

Philip Deane Aines	*s*	*Middlebury*	41 South St.
James Philip Bower	*s*	*Arlington, Mass.*	D. K. E. House
William Savage Brackett	*s*	*New Britain, Ct.*	4 Hepburn Hall
David Joseph Breen	*s*	*College Point, N. Y.*	23 Hepburn Hall
James Harold Burckes	*s*	*Waltham, Mass.*	25 Hepburn Hall
Haskins Bishop Canfield	*s*	*Somerville, N. J.*	32 Hepburn Hall
William Raymond Canty	*s*	*Rutland*	14 Hepburn Hall
Frederick Henry Carpentier	*s*	*Rutland*	7 Hepburn Hall
Samuel Cohen	*a*	*Newark, N. J.*	7 Starr Hall
Hollis Raymond Cooley	*a*	*Randolph Center*	42 Hepburn Hall
Ronald Jeremiah Darby	*s*	*Whitefield, N. H.*	A. S. P. House
Herbert John Darrow	*s*	*Middlebury*	3 Weybridge St.
Harold Dewey Ellsworth	*s*	*Lake George, N. Y.*	3 Weybridge St.
Raymond Kellogg Farnham	*a*	*Shoreham*	4 Weybridge St.
Percy Earl Fellows	*a*	*Derby*	39 Hepburn Hall
Alan Winslow Furber	*s*	*Brookline, Mass.*	17 Painter Hall
Samuel Theodore Ginsburg	*s*	*Waterbury, Ct.*	29 Hepburn Hall
Allen Leonard Grant	*a*	*Bristol*	8 Starr Hall
John Ralph Harvey	*a*	*White River Junction*	43 Hepburn Hall
Charles Jason Haugh, Jr.	*s*	*Waterbury, Ct.*	K. D. R. House

Winford Eddy Heath	*s*	*Johnson*	5 Hepburn Hall
Frederick Charles Hinchey	*s*	*Rutland*	20 Hepburn Hall
Albert Austin Houghton	*s*	*Wallingford*	Middleb'y R. D. 4
William Allen Huggard	*a*	*Brookfield*	42 Hepburn Hall
Leon Farnham Jackson	*s*	*Auburndale, Mass.*	6 Hepburn Hall
Joseph Philip Kasper	*s*	*New York, N. Y.*	3 Hepburn Hall
Charles Stanley Kinne	*a*	*West Pawlet*	K. D. R. House
Linwood Brackett Law	*s*	*Middlebury*	A. S. P. House
David Philip Locklin	*a*	*Richford*	30 Hepburn Hall
Edgar Garson Lowell	*s*	*New York, N. Y.*	31 Hepburn Hall
Leon Worrick McFee	*s*	*Canajoharie, N. Y.*	47 Washington St.
William Edwin McMaster	*a*	*North Thetford*	43 Hepburn Hall
Roland Ernest McSweeney	*s*	*St. Johnsbury*	A. S. P. House
Ivan LeBaron Manzer	*a*	*Windsor*	K. D. R. House
Arthur Gordon Miesse	*s*	*Ridgewood, N. J.*	28 Hepburn Hall
Solymn Donald Miner	*a*	*Brandon*	39 Hepburn Hall
Daniel Howard Moreau	*s*	*Freehold, N. J.*	18 Painter Hall
James Henry Noble	*a*	*Fair Haven*	35 Hepburn Hall
Harold Olsen	*s*	*New York, N. Y.*	1 Starr Hall
Clesson Wallace Parker	*s*	*New Britain, Ct.*	4 Hepburn Hall
Cecil Plumb	*s*	*Malone, N. Y.*	19 Hepburn Hall
Emerson Baldwin Ross	*s*	*Poultney*	Chi Psi Lodge
Stewart Ross	*a*	*West Rutland*	20 Hepburn Hall
James Dayton Searles	*s*	*Corinth, N. Y.*	1 Starr Hall
Ralph Egbert Sincerbox	*s*	*Wassaic, N. Y.*	5 Hepburn Hall
Henry Seely Thomas	*s*	*Middlebury*	32 Hepburn Hall
Maurice Edward Walbridge	*a*	*Cabot*	8 Hepburn Hall
Raymond Clyde Willey	*s*	*Johnson*	7 Hepburn Hall
George Harold Woodward	*s*	*Camden, N. J.*	28 Hepburn Hall
Malcolm Gilmore Wright	*a*	*Rutland*	6 Hepburn Hall

FRESHMEN: CLASS OF 1921

Wilbur Locke Barrows	*s*	*Johnson*	Prof. Collins's
Lester Delbert Benn	*a*	*Altoona, Pa.*	9 Hepburn Hall
LeRoy Rollin Bigelow	*a*	*Rutland*	25 Hepburn Hall
Rodger DeRiemer Brouwer	*s*	*West Hampton, N. Y.*	35 Hepburn Hall
Carl Ranslow Brown	*a*	*St. Albans*	15 Painter Hall
Lorimer Hamilton Brown	*s*	*Manchester Center*	14 Painter Hall
Jeremiah Curtin Cardell	*s*	*Bristol*	36 Hepburn Hall

Charles Dana Carlson	*s*	*Peacham*	2 Hepburn Hall
William Cohen	*s*	*Newark, N. J.*	6 Starr Hall
Charles Cady Cutting	*s*	*Middlebury*	1 Weybridge St.
Sam Pettengill Davis	*s*	*Newport*	6 Starr Hall
Stanley Roderick Dixon	*s*	*New Britain, Ct.*	31 Hepburn Hall
Harold Dewey Elmer	*s*	*Middlebury*	6 South St.
Ernest Chester Franklin	*s*	*South Newbury*	14 Painter Hall
Frank Wendell Gorthey	*s*	*Johnstown, N. Y.*	5 Starr Hall
Arthur Tatner Harding	*s*	*W. Boothbay Harbor, Me.*	10 Painter Hall
Donald Edward Homans	*s*	*Ipswich, Mass.*	13 Hepburn Hall
Fred Eugene Jewett	*s*	*Hallowell, Me.*	10 Painter Hall
George Joseph Keppler	*s*	*Woodland, N. Y.*	43 Hepburn Hall
Maurice Foote Lee	*s*	*Vergennes*	46 Hepburn Hall
Fred Almon McClunin	*s*	*Bristol*	36 Hepburn Hall
William Maxfield Meacham	*s*	*Morrisville*	Sargent House
John Wilbur Mead	*a*	*Rutland*	17 Hepburn Hall
Frank Howard Mercer	*s*	*Bridgeport, Ct.*	8 Starr Hall
George Miske	*s*	*Waterbury, Ct.*	29 Hepburn Hall
Cornelius Stockwell Moody	*s*	*Middlebury*	22 Seminary St.
Dwight Lyman Moody	*a*	*Middlebury*	22 Seminary St.
Horace Greeley Murnane	*a*	*Brookline, Mass.*	3 Starr Hall
Howard Pierce Nelson	*s*	*Salisbury*	40 Hepburn Hall
Raymond Smith Noonan	*s*	*Buffalo, N. Y.*	17 Hepburn Hall
Ernest Edwin Olson	*s*	*West Rutland*	6 Starr Hall
Russell Morton Parker	*s*	*Newport Center*	46 Hepburn Hall
Lawrence Johnathan Pierce	*s*	*Hyde Park, Mass.*	5 Starr Hall
Kenneth Morgan Preston	*s*	*Salisbury*	Salisbury
George Levi Richardson	*s*	*Chicopee Falls, Mass.*	16 Painter Hall
Clifford Wayne Spencer	*a*	*Maryland, N. Y.*	41 Hepburn Hall
Gordon Augustus Swan	*s*	*Glens Falls, N. Y.*	13 Painter Hall
Arnold Bowerman Swift	*s*	*West Falmouth, Mass.*	21 Hepburn Hall
Gilbert Brewer Thomson	*s*	*Amherst, Mass.*	16 Painter Hall
Raymond Levi Torrey	*a*	*Atlantic, Me.*	9 Hepburn Hall
Robert Peckham Valentine	*s*	*Akron, O.*	45 Hepburn Hall
Robert Douglas Wright Vroom	*s*	*Port Richmond, N. Y.*	35 Hepburn Hall
Samuel Charles White	*s*	*Rutland*	20 Hepburn Hall
George Thomas Whitmore, Jr.	*s*	*Mogadore, O.*	45 Hepburn Hall

ROLL OF HONOR

Students on Leave of Absence for National Service

[The College is keeping on its rolls all students who are prevented from attendance by service in the army, the navy, the Red Cross, or the Y. M. C. A., but they are not counted in the student summaries of subsequent pages. The list as here given has been corrected to November, 1917.]

SENIORS: CLASS OF 1918

Lester Nelson Allyn.....New Haven, Ct.
Lieut., 55th U. S. Inf., Ft. Oglethorpe, Ga.

Charles Effingham Bartlett...Middlebury, Vt.
Co. 3, 1st B'n, N. A., Depot Brigade, Camp Devens, Mass.

Irving Willard Eastman.....St. Johnsbury, Vt.
U. S. N. R., Seaman 1/c, U. S. S. America, % P. M., New York City

Walbridge Birney Fullington..Johnson, Vt.
103d Regiment, Co. G, American Expeditionary Forces

Edward Shepard Huntley....New London, Ct.
U. S. N. R., Bar Harbor, Me.

Edgar Lawrence Lord.....Dennis, Mass.
33d Co., 9th B'n, 151st Depot Brigade, Camp Devens, Mass.

Raymond Corwin Mudge.....Ludlow, Vt.
Aviation Corps, Pensacola, Florida

Carroll Ross Stearns.....Bristol, Vt.
U. S. N. R., Seaman 2/c, U. S. S. Georgia, % P. M., New York City

Guy Eugene Wheelock.....North Troy, Vt.
U. S. N. R., Seaman 1/c, Div. 7, Sec. 3, Charlestown Navy Yard, Mass.

Stanley Victor Wright.....Middlebury, Vt.
U. S. A., Squadron 19, Department of Military Aeronautics, Garden City, L. I.

JUNIORS: CLASS OF 1919

Harold Clark Ahern.....Lyndonville, Vt.
N. A.

George Washington Barnes...Middlebury, Vt.
U. S. N. R., U. S. S. America, % P. M., New York City

Frederick Clarence Brigham..Rutland, Vt.
U. S. N. R., Seaman 1/c, U. S. S. America, % P. M., New York City

Herbert Cecil Brokenshire....Pawtucket, R. I.
U. S. N. R., Seaman 1/c, U. S. S. America, % P. M., New York City

Arthur Augustus Coleman....Barnstable, Mass.
U. S. A., Squadron 25, Department of Military Aeronautics, Cambridge, Mass.

Jacob Deufel.....Long Island City, N. Y.
N. A.

Channing Hildreth Greene....North Brookfield, Mass.
25th Co., 7th B'n, 76th Div., N. A., Depot Brigade, Camp Devens, Mass.

Seymour Leroy Hammond....Farmington, Me.
U. S. N. R., Naval Rifle Range, Wakefield, Mass.

Andrew George Osteyee.....Randolph, Vt.
U. S. N. R., U. S. S. Covington, % P. M., New York City

Sydney Taylor Pollard.....North Adams, Mass.
Lieut., 2d Co., 17th Regiment, Plattsburg, N. Y.

Russel Mussey Sanford.....Foster, Cal.
U. S. N. R., Div. 2, Sec. 2, U. S. S. Long Island, Commonwealth Pier, Boston, Mass.

Robert Batchelder Shepardson..Reading, Mass.
U. S. N. R., Coxswain, U. S. S. Mt. Vernon, % P. M., New York City

Harrie Lyon Smith.....Mount Morris, N. Y.
Battery E, 307th Field Artillery, N. A., Camp Dix, N. J.
Bruce Xerxes Somers.....West Barnet, Vt.
U. S. N. R., Div. 2, Sec. 2, Bumkin Is., Mass.

SOPHOMORES: CLASS OF 1920

Robert Truman Aldrich.....Rutland, Vt.
U. S. N. R., U. S. S. America, % P. M., New York City
Gerald Francis Courtney.....East Rochester, N. Y.
Aviation Corps, 2d Co., 1st Sec., Pensacola, Florida
Willard Corey Downing.....Reading, Mass.
U. S. N. R., Seaman 1/c, U. S. S. America, % P. M., New York City
Maurice Stuart Duffield.....Round Lake, N. Y.
20th U. S. Engineers, Medical Detachment, American Expeditionary Forces
Elbert Thomas Gallagher.....St. Johnsbury Center, Vt.
U. S. N. R., Yeoman, Commonwealth Pier, Boston, Mass.
Francis Nathaniel Hinchey...Rutland, Vt.
200th Squadron, Aviation Corps, American Expeditionary Forces
Malcolm Ross.....Rutland, Vt.
U. S. N. R., U. S. S. Pete, Fore River Yard, Quincy, Mass.
Willard Gifford Taylor.....Mexico, N. Y.
S. S. U. 65, Convois Autos, Par B. C. M., France
Ludger Joseph Tousant.....St. Johnsbury, Vt.
Co. B., 102d M. G. B'n, U. S. A, American Expeditionary Forces
Judson Newcombe Walker....Marlboro, N. H.
U. S. N. R., Hospital Apprentice 2/c, Newport, R. I.

THE WOMEN'S COLLEGE

IN CONNECTION WITH MIDDLEBURY COLLEGE

ELEANOR SYBIL ROSS, Dean

IN 1883 Middlebury College opened its doors to women, and offered to them the same courses and privileges afforded to men. In 1902 a charter was granted for an affiliated College for Women, and steps have been taken toward two coördinate institutions, one for men and one for women, as fast as resources have allowed. It is believed that both men and women are better for the distinct social life of separate colleges, but that the greater economy in administration and instruction when the education of both sexes is conducted under the same corporate management and by the same Faculty justifies affiliated institutions in the same locality.

The President and Fellows of Middlebury College exercise full supervision and control of the Women's College. They are authorized to receive gifts for scholarships and professorships for the benefit of women students, for buildings for women, and for the general purposes of the Women's College. Bequests, legacies, and gifts for the education of women in connection with Middlebury College should be made payable to "The President and Fellows of Middlebury College."

The requirements for admission to the Women's College are the same as those for men. Women are taught by the same Faculty as men, and enjoy the same privileges in the Library and Laboratories. All courses of instruction are open to them, and they have equal opportunities in every department of the College. They are accorded the degree of A.B. or B.S. upon graduation, and may attain the degree of A.M. or M.S.

Pearsons Hall, completed in 1911 with a portion of the D. K. Pearsons Fund of $100,000, accommodates, with Battell and Hillside Cottages, about one hundred and twenty women. The College will provide residence for women, except where special permission is obtained to reside elsewhere.

STUDENTS

GRADUATE STUDENT

Barbara Harriet Smith, '13		*Waterbury, Ct.*

SENIORS: CLASS OF 1918

Irene Lamson Adams	*a*	*Rutland*	38 Pearsons Hall
Elsie Agnes Atwell	*a*	*Brandon*	28 Court St.
Estella Louise Atwell	*a*	*Brandon*	28 Court St.
Dorothy Elizabeth Brewster	*a*	*Middlebury*	2 Pearsons Hall
Dorothy Helen Brown	*a*	*Newark, N. J.*	2 Pearsons Hall
Ruth Mary Bryant	*a*	*Middlebury*	6 Storrs Ave.
Margaret Chatfield	*s*	*New Haven, Ct.*	32 Pearsons Hall
Alice May Chynoweth	*a*	*St. Albans*	33 Pearsons Hall
Helen Seymour Clift	*a*	*Fair Haven*	21 Pearsons Hall
Goldie Josephine Courtemanche	*a*	*Wilmington*	27 Pearsons Hall
Marion Alice Dean	*a*	*North Pownal*	30 Pearsons Hall
Helen Alexandra Diehl	*a*	*South Natick, Mass.*	3 Pearsons Hall
Hazel Grace Doody	*a*	*Middlebury*	36 Court St.
Hannah Dvorcef	*s*	*Brooklyn, N. Y.*	26 Pearsons Hall
Marion Grace Elmer	*a*	*Middlebury*	5 Franklin St.
Bertha Elizabeth Farrell	*a*	*Middlebury*	38 College St.
Elsie Langworthy Foote	*a*	*Vergennes*	28 Pearsons Hall
Alice Katherine Fuller	*a*	*Rutland*	10 College St.
Alice Catherine Halpin	*a*	*Middlebury*	36 College St.
Margaret Mae Harris	*a*	*Stowe*	4 Pearsons Hall
Ruth Avaline Hesselgrave	*a*	*So. Manchester, Ct.*	23 Pearsons Hall
Katherine Howard Hurd	*s*	*Concord, N. H.*	38 South St.
Bessie Cornelia Jennings	*a*	*Greens Farms, Ct.*	29 Pearsons Hall
Marguerite Helen Jones	*a*	*Mansfield, Mass.*	30 Pearsons Hall
Doris Annie Kendall	*s*	*Brandon*	6 Pearsons Hall
Josephine Frances Menotti	*a*	*Waterbury, Ct.*	26 Pearsons Hall
Elsie Monteith	*s*	*Stanley, N. J.*	22 Pearsons Hall

Helen Beatrice Newton	*a*	*Oxford, Mass.*	22 Pearsons Hall
Ruth Louise Norris	*a*	*Cabot*	31 Pearsons Hall
Frances Mary Pray	*s*	*Bristol, N. H.*	41 Pearsons Hall
Louise Harrison Reynolds	*a*	*Rutland*	21 Pearsons Hall
Marguerite Rogers	*a*	*Worcester, Mass.*	27 Pearsons Hall
Lucy Smith	*a*	*Canton, Mass.*	20 Pearsons Hall
Faith Walker	*a*	*Barre*	20 Pearsons Hall
Christine Jane Webster	*a*	*Whiting*	32 Pearsons Hall

JUNIORS: CLASS OF 1919

Gertrude Rhua Burditt	*a*	*Pittsford Mills*	13 Battell Cottage
Mildred Henrietta Cady	*a*	*Middlebury*	40 Pearsons Hall
Ruth Elizabeth Clark	*a*	*Rutland*	9 Pearsons Hall
Marion Bertha Clifford	*a*	*New Haven*	Middleb'y R. D. 1
Ruth Marion Clough	*a*	*Plattsburg, N. Y.*	10 Pearsons Hall
Hazel Elizabeth Coburn	*s*	*Littleton, N. H.*	24 Pearsons Hall
Clarissa Ina Cooledge	*s*	*Dorset*	3 Weybridge St.
Sylvia May Derry	*a*	*Putney*	12 Pearsons Hall
Marguerite Dyer	*a*	*Middlebury*	7 Pleasant St.
Laura Mary Fales	*a*	*West Medway, Mass.*	42 Pearsons Hall
Ella Florence Fellowes	*a*	*Exeter, N. H.*	9 Pearsons Hall
Hazel Florence Grover	*s*	*Middletown Springs*	34 Pearsons Hall
Louetta Augusta Haynes	*a*	*Hardwick*	37 Pearsons Hall
Ruth Gertrude Holland	*a*	*Shrewsbury, Mass.*	42 Pearsons Hall
Mabel Louise Hoyt	*a*	*Oneonta, N. Y.*	39 Pearsons Hall
Dorothy Mabel Hutchinson	*s*	*Auburn, Me.*	31 Pearsons Hall
Elizabeth Greenleaf Johnson	*s*	*Newburyport, Mass.*	24 Pearsons Hall
Eleanor Garretson Layton	*s*	*New York, N. Y.*	11 Pearsons Hall
Mildred Martin	*a*	*Middlebury*	60 Pleasant St.
Dorothy Nash	*s*	*Webster, Mass.*	36 Pearsons Hall
Anna Lucia Novak	*a*	*Middlebury*	71 Main St.
Helen Vivian Paine	*a*	*Worcester, Mass.*	36 Pearsons Hall
Gertrude Agnes Perkins	*s*	*Hardwick*	6 Franklin St.
Ethel Frances Putnam	*a*	*Webster, Mass.*	39 Pearsons Hall
Thelma Ruth Putnam	*s*	*Springfield*	29 Pearsons Hall
Dorothea Este Reynolds	*a*	*Rutland*	38 Pearsons Hall
Lewmina Rickert	*a*	*Barre*	43 Pearsons Hall
Mabel Pauline Rising	*a*	*Brandon*	36 Court St.
Nellie Margaret Roberts	*s*	*West Pawlet*	Hillside Cottage

Barbara Russell	*a*	*Rutland*	25 Pearsons Hall
Delsey Ruth Severy	*s*	*Brandon*	5 Franklin St.
Margaret Heaton Shay	*a*	*Chelsea*	12 Pearsons Hall
Helen Sophia Bullard Stilphen	*s*	*Swanton*	6 Pearsons Hall
Marion Elizabeth Swan	*a*	*Glens Falls, N. Y.*	35 Pearsons Hall
Alice Drew Tomlinson	*a*	*Woodbridge, Ct.*	25 Pearsons Hall
Alice Ward Wilson	*a*	*Bristol*	15 Battell Cottage
Priscilla Eleanor Wood	*a*	*Fair Haven*	35 Pearsons Hall

SOPHOMORES: CLASS OF 1920

Ruth Baldwin	*a*	*Milford, Ct.*	40 Pearsons Hall
Ruth Selina Ball	*s*	*New Rochelle, N. Y.*	8 Battell Cottage
Mary Edith Bliss	*a*	*Cornwall*	Middleb'y R. D. 1
Ruby Evelyn Bruffee	*s*	*New Salem, Mass.*	18 Battell Cottage
Ruth Alice Cambridge	*s*	*Somerville, Mass.*	Hillside Cottage
Helen Lynch Clark	*a*	*Ferrisburg*	4 Battell Cottage
Estelle Julia Foote	*a*	*Cornwall*	7 Battell Cottage
Evelyn Newton Frary	*a*	*Charlemont, Mass.*	4 Battell Cottage
Eloise Mildred Gonyeau	*a*	*Manchester, N. H.*	28 Pearsons Hall
Gertrude Grace Graves	*a*	*Walpole, N. H.*	11 Pearsons Hall
Madeline Esther Halford	*a*	*Pittsfield, Mass.*	21 Battell Cottage
Josephine Hall	*a*	*New Haven, Ct.*	45 Pearsons Hall
Elsa Emelia Holmstrom	*a*	*Worcester, Mass.*	14 Battell Cottage
Mildred Harriett Hubbard	*s*	*Walpole, N. H.*	48 Pearsons Hall
Ruth Mary Joslin	*a*	*Waitsfield*	48 Pearsons Hall
Fannie Esther Lincoln	*s*	*Concord, N. H.*	41 Battell Cottage
Anna Pauline Locklin	*a*	*Richford*	7 Battell Cottage
Anne Marguerite MacKenzie	*a*	*New York, N. Y.*	3 Weybridge St.
Emily Millard	*a*	*Tarrytown, N. Y.*	Hillside Cottage
Florence Millard	*a*	*Tarrytown, N. Y.*	Hillside Cottage
Gertrude Victoria Moore	*a*	*Alstead, N. H.*	34 Pearsons Hall
Adelaide Robinson Morris	*s*	*Schenectady, N. Y.*	12 Battell Cottage
Marion Margaret Mullings	*a*	*Bristol*	3 Weybridge St.
Mary Magdalene O'Neil	*a*	*S. Hingham, Mass.*	41 Battell Cottage
Eletta Ella Pease	*a*	*Middlebury*	37 Pleasant St.
Frances Louise Requa	*a*	*Tarrytown, N. Y.*	Hillside Cottage
Madine Johnson Rogers	*a*	*Barre*	Hillside Cottage
Mary Louise Smith	*a*	*Middlebury*	5 College St.

Faustine Charlotte Thomas	*a*	*North Adams, Mass.*	41 Battell Cottage
Addie Lorette Thompson	*a*	*Weybridge*	18 Battell Cottage
Corinne Marshall Weber	*a*	*Hyannis, Mass.*	14 Battell Cottage
Ethel Wells	*s*	*Berlin, N. Y.*	Hillside Cottage

FRESHMEN: CLASS OF 1921

Ruth Louise Adams	*s*	*Randolph*	46 Pearsons Hall
Ruth Lindley Ashworth	*s*	*Worcester, Mass.*	36 College St.
Nina Carrie Baker	*a*	*Danby*	10 Battell Cottage
Isabel Dora Bardwell	*s*	*Belchertown, Mass.*	36 College St.
Edith Jane Best	*a*	*Walpole, N. H.*	Hillside Cottage
Dorothy Deane Bliss	*a*	*Cornwall*	Middleb'y, R. D. 1
Rita Lodoska Bole	*a*	*East Hardwick*	3 Battell Cottage
Gertrude Minnetta Bryant	*a*	*Passaic, N. J.*	20 College St.
Genevieve Rose Burns	*a*	*Middlebury*	58 Pleasant St.
Lucy Isabella Calhoun	*a*	*Middlebury*	22 South St.
Mildred Alice Cann	*a*	*Waterbury, Ct.*	5 Franklin St.
Esther Ingeborg Carlson	*a*	*Proctor*	36 College St.
Katherine Elizabeth Clark	*a*	*Sunderland, Mass.*	44 Pearsons Hall
Laura Maud Clark	*a*	*Keene, N. H.*	Hillside Cottage
Mildred Violetta Cole	*a*	*Bloomingdale, N. Y.*	2 Battell Cottage
Elizabeth Marguerite Conlon	*a*	*Middlebury*	4 Weybridge St.
Leah Harriet Corkran	*a*	*Ft. Edward, N. Y.*	10 Pearsons Hall
Alice Mary Corttis	*a*	*N. Grosvenor Dale, Ct.*	Hillside Cottage
Edith Marie Cowles	*a*	*Derby Line*	121 Main St.
Alice Diana Crossland	*s*	*Worcester, Mass.*	25 College St.
Lillian Johnson Deans	*a*	*North Adams, Mass.*	47 Pearsons Hall
Harriet Elizabeth Goudie	*a*	*Lisbon, N. H.*	44 Pearsons Hall
Margaret Brennan Hassett	*a*	*Lee, Mass.*	24 Battell Cottage
Emily Joanna Hathaway	*a*	*Bennington*	8 Battell Cottage
Marie Henrichon	*a*	*Rutland*	2 Battell Cottage
Helen Margaret Hogan	*a*	*Waterbury, Ct.*	Hillside Cottage
Mildred Evelyn Jenkins	*s*	*Fair Haven*	36 College St.
Ruth Burbeck Johnson	*s*	*Bradford*	Hillside Cottage
Marie Anna Kilbride	*a*	*Waterbury, Ct.*	5 Battell Cottage
Grace Evelyn Kingsley	*s*	*Canaan*	36 College St.
Ona Mabel Ladd	*a*	*Randolph*	46 Pearsons Hall
Florence Harris Langley	*a*	*Waterbury, Ct.*	36 College St.
Doris Wyvonne MacKelsey	*a*	*West Rutland*	Hillside Cottage

Kathryn Marjorie Mara	*a*	*Passaic, N. J.*	9 Battell Cottage
Ellen Spencer Matthews	*a*	*Cleveland, O.*	Hillside Cottage
Elizabeth Dorothy Novak	*a*	*Middlebury*	71 Main St.
Carleta A. Ottman	*s*	*Schenectady, N. Y.*	11 Battell Cottage
Christine McLeod Ritchie	*a*	*North Adams, Mass.*	47 Pearsons Hall
Alice Ann Ryan	*s*	*Fair Haven*	36 College St.
Emma Schaefer	*s*	*New Britain, Ct.*	36 College St.
Angeline Marion Simpson	*a*	*Rutland*	Hillside Cottage
Lucy Melvina Stearns	*a*	*South Royalton*	3 Weybridge St.
Janet McLean Taylor	*s*	*Mexico, N. Y.*	9 Battell Cottage
Dorothea Farnham Whitney	*a*	*South Sudbury, Mass.*	36 College St.
Frances Lee Wiley	*a*	*Waltham, Mass.*	Hillside Cottage
Louise Willis	*a*	*Pittsford*	37 Pearsons Hall
Wilma Elizabeth Wright	*a*	*Lyndonville*	36 College St.

SUMMER SESSION STUDENTS

(E) — *English;* (F) — *French;* (G) — *German;*
(M) — *Music;* (S) — *Spanish.*

Lilian Abbott, Lynn, Massachusetts. (F).
Helen E. Adams, B.A., (Colby), Saxtons River, Vermont. (E).
Irene Adams, Middlebury, Vermont. (E).
Alice O. Albertson. A.B., (Bryn Mawr), Philadelphia, Pennsylvania. (G).
Jessie A. Albritton, Washington, D. C. (S).
Walter E. Anderson, Fitchburg, Massachusetts. (E).
Helen W. Auger, Jamaica, New York. (M).
C. Grace Ayres, A.B. (Boston University), Winthrop, Massachusetts. (S).
Mabel E. Bagger, Brooklyn, New York. (M).
Elizabeth J. Baldwin, Middlebury, Vermont. (E).
Marion M. Ballou, B.A., (Mt. Holyoke), Rutland, Vermont. (E).
Almira M. Bardin, Willimansett, Massachusetts. (M).
Lucy L. Bell, Sparkell, New York. (S).
Ruth K. Benton, B.A., (Wellesley), M.A., (Brown), Providence, Rhode Island. (F).
Charlotte S. Bissell, A.B., (University of Michigan), Toledo, Ohio. (F).
Manuel O. Bolivar, Middlebury, Vermont. (E).
Clara Bourdeau, Middlebury, Vermont. (E).
Adelaide L. Briggs, B.A., (Bates), Portland, Maine. (F).
Fannie E. Brockway, West Hartford, Vermont. (F).
Myra S. Brown, Ph.B., (Alfred), Leonardsville, New York. (G).
Emilie E. M. Bruning, A.B., (Barnard), Brooklyn, New York. (S).
Marion E. Bulley, A.B., (Smith), New Haven, Connecticut. (G).
Bessie R. Burchett, A.B., A.M., Ph.B., (University of Pennsylvania), Philadelphia, Pennsylvania. (G).
Edith Burr, A.B., (Smith), Pemberton, New Jersey. (F).
Lilian S. Burt, B.A., (Mt. Holyoke), Torrington, Connecticut.(S).
Darrell Butterfield, Middlebury, Vermont. (E).
Mildred Cady, Middlebury, Vermont. (E).
Edgar Campbell, B.A., (Bucknell), Utica, New York. (G).

Rieta Campbell, Ripton, Vermont. (E).
James Cardell, Bristol, Vermont. (E).
Isabelle Carrigan, A.B., (Middlebury), Pittsford, Vermont. (F).
Therese Cassel, B.A., (Barnard), New York City. (S).
Ruth L. Chapel, North Troy, Vermont. (E).
Martha D. Chase, (Mrs.), A.B., (Boston University), Portland, Maine.(F).
Guy N. Christian, Georgetown, Massachusetts. (E).
Alice B. Chubb, B.A., (Toronto), Philadelphia, Pennsylvania. (F).
Ethel L. Chubb, B.A., M.A., (Toronto), Philadelphia, Pennsylvania. (E).
Wan Chuck, Canton, China. (S).
Marion L. Clark, A.B., (Mount Holyoke), Buffalo, New York. (G).
Pearl S. Clarke, Brooklyn, New York. (M).
Ruth P. Clark, New London, Connecticut. (S).
Helen M. Cook, Cambridge, Massachusetts. (G).
Clarissa I. Cooledge, Dorset, Vermont. (E).
Marguerite A. R. Cordes, A.B., (Cornell), New York City. (S).
Frances E. Cowdrick, B.A., (Smith), Toms River, New Jersey. (F).
Ella M. Crumb, Ph.B., (Alfred), Alfred, New York. (G).
Marion E. Currier, A.B., (Mt. Holyoke), Concord, New Hampshire. (G).
Susanna Y. Cushing, (Mrs.), Providence, Rhode Island. (G).
Charles A. Danolds, Middlebury, Vermont. (E).
Said Dartley, Middlebury, Vermont. (E).
Isabelle M. Day, (Mrs.), Lynn, Massachusetts. (S).
Elise Degenring, Elizabeth, New Jersey. (G).
Caroline E. DeGreene, Ph.B., A.M., (University of Michigan), Philadelphia, Pennsylvania. (G).
Charles DeSales, Tarrytown-on-Hudson, New York. (F).
Marie Dilger, Jamaica, New York. (S).
Harold F. Drew, Haverhill, Massachusetts. (E).
Gladys H. Dubois, Edgewood, Rhode Island. (F).
Rena Dumas, Middlebury, Vermont. (M).
Marguerite Dyer, Middlebury, Vermont. (M).
Louise Ehlers, Philadelphia, Pennsylvania. (S).
Emma Eichler, (Konigsberg, Germany), New York City. (S).
Robert S. English, Charlotte, Vermont. (E).
Ida Erdtmann, Staats-Examen, (Germany), Dobbs Ferry, New York. (S).
Martha L. Eveleth, A.B., (Boston University), Winthrop, Massachusetts. (S).
Carrie Everts, Salisbury, Vermont. (E).

Mildred B. Everts, Salisbury, Vermont. (E).
Charlotte C. Faust, A.B., (Cornell), A.M., (Columbia), Brooklyn, New York. (F).
Edna L. Fegtly, Ph.B., (Des Moines College), Des Moines, Iowa. (G).
Kate E. Ferrin, Derby, Vermont. (E).
Marguerite Fiske, (Mrs.)., Hancock, Vermont. (E).
Paulyle W. Flavell, A.B., (Smith), Plymouth, Massachusetts. (G).
Olive Flowers, New York City. (F).
Ina A. Fogg, A.B., (Bates), Gray, Maine. (F).
Linda M. French, A.B., (Boston University), New Brighton, New York. (S).
Esther Frost, Middlebury, Vermont. (M).
Stefanie F. Geiger, Forest Glen, Maryland. (S).
Laura von Gerichten, B.S., (Ohio State University), Columbus, O. (G).
Emma E. Germann, Brooklyn, New York. (E).
Wanetta C. Gill, New Haven Mills, Vermont. (E).
Mertie M. Gipson, Middlebury, Vermont. (E).
Mary O. Gosline, B.A., (Mt. Holyoke), Gardiner, Maine. (G).
Annie M. Greene, A.B., (Radcliffe College), Woodstock, Vermont. (F).
Miriam M. Groat, B.P., (State College for Teachers, Albany), Hudson Falls, New York. (F).
Clara L. Hall, Buffalo, New York. (S).
Wayne M. Haller, A.B., (Middlebury), Shelburne Falls, Massachusetts. (S).
Genevive G. Halnon, Middlebury, Vermont. (E).
Josephine Hardy, B.A., (Wellesley), Winterport, Maine. (G).
Alexander L. Harris, A.M., (Queen's University), Geneva, New York. (S).
Ethel E. Harris, A.B., (Syracuse), Watertown, New York. (G).
Elma W. Hedden, A.B., (Goucher), West Orange, New Jersey. (G).
Bertha C. Helmken, B.A., (Adelphi), Brooklyn, New York. (S).
Susie A. Hincks, Middlebury, Vermont. (E).
Mary H. Holmes, A.B., A.M., (Wellesley), Brooklyn, New York. (G).
Florence Hooker, (Mrs.), Middlebury, Vermont. (E).
Earl Frederick Horsford, B.S., (Middlebury), Charlotte, Vermont (F).
Donald E. Hosmer, A.B., (Dartmouth), Pawtucket, Rhode Island. (F).
Mary L. Hull, Albany, New York. (S).
Catherine B. Hutzel, Brooklyn, New York. (G).
Ida M. Jacot, Potsdam, New York. (G).
Alice M. Jones, A.B., (Smith), A.M., (University of California), Albany, New York. (G).

Jessie W. Kelly, Allston, Massachusetts. (E).
Doris A. Kendall, Brandon, Vermont. (E).
Grace A. Kennedy, A.B., (Radcliffe), Somerville, Massachusetts. (S).
Margaret C. Kennedy, A.B., (Radcliffe), Winter Hill, Massachusetts. (S).
Pauline A. Kent, (Mrs.), Middlebury, Vermont. (M).
Evelyn Krauter, Summit, New Jersey. (S).
Julius Landowne, B.A., (College City of New York), M.A., (New York University), New York City. (S).
Dorothy Larned, A.B., (Mt. Holyoke), Framingham, Massachusetts. (G).
Clara Lindner, A.B., (Vassar), New York City. (S).
Edgar L. Lord, Dennis, Massachusetts. (E).
Maud E. McPherson, B.A., M.A., (George Washington University), Washington, D.C. (S).
Rena M. Mack, Middlebury, Vermont. (E).
Charlotte C. Marsh, Bridgeport, Connecticut. (E).
Bertha A. Merrill, M.A., (Cornell University), Lawrence, Massachusetts. (S).
Grace E. Merrill, M.A., (Boston University), Lawrence, Massachusetts. (S).
Stephanie Metz, New York City. (S).
Florence E. Meyer, M.A., (Vassar), Brooklyn, New York. (S).
Maud Miller, M.A., (University of Wisconsin), Forest Hills, Long Island. (S).
Vinton W. Mitchell, Watertown, Connecticut. (E).
Victoria W. Morse, Randolph, Vermont. (E).
Jessie V. Morton, B.A., (University of Pennsylvania), Philadelphia, Pennsylvania. (F).
Carl H. Moulton, Underhill, Vermont. (E).
Matilda Mutchel, Detroit, Michigan. (G).
Libby Neuman, B.A., (Hunter College), New York City. (S).
Emilie von Nostitz, B.A., (Adelphi), Brooklyn, New York. (G).
Agnes O'Donnell, B.A., M.A., (Barnard), New York City. (S).
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Katherine L. Wilson, Boston, Massachusetts. (S).
Helene A. Wippich, Ipswich, Massachusetts. (S).
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Belle E. Wright, B.S., (Middlebury), Rochester, New York. (S).

SUMMARY

SUMMARY BY CLASSES

[Not including thirty-four undergraduates in the national service November 15.]

	Men	*Women*	*Total*
Graduate Student	0	1	1
Seniors	20	35	55
Juniors	21	37	58
Sophomores	50	32	82
Freshmen	44	47	91
	135	152	287
Summer Session			206
Total			493
Counted twice			18
Net Total			475

CLASSIFICATION BY COURSES

UNDERGRADUATES ONLY

Men	*Candidates for A.B.*	*Candidates for B.S.*
Seniors	8	12
Juniors	8	13
Sophomores	16	34
Freshmen	8	36
Women		
Seniors	29	6
Juniors	25	12
Sophomores	25	7
Freshmen	36	11
Total	155	131

GEOGRAPHICAL DISTRIBUTION

UNDERGRADUATES ONLY

	Men	*Women*	*Total*
Vermont	64	76	140
Massachusetts	18	28	46
New York	25	16	41
Connecticut	7	13	20
New Hampshire	3	12	15
New Jersey	8	4	12
Maine	3	1	4
Ohio	3	1	4
Pennsylvania	2	0	2
Rhode Island	1	0	1
Cuba	1	0	1
	135	151	286

COLLEGE CALENDAR

[The changes of calendar here indicated are a result of war conditions. The uncertainty of those conditions makes it inadvisable to publish calendar dates beyond December 1, 1918.]

1917

September 20.	*Thursday*, 9.00 *a.m.* Beginning of first semester.
November 1.	*Thursday*. Charter Day.
November 29.	*Thursday*. Thanksgiving Day.
December 15 to December 26.	*Saturday to Wednesday*. Christmas Recess.

1918

January 10 to January 16.	*Thursday to Wednesday*. Mid-year Examinations.
January 17.	*Thursday*. Beginning of second semester.
March	Mid-winter Meeting of the Phi Beta Kappa Society.
March 29 to April 1.	*Friday to Monday*. Spring Recess.
April 27 to May 3.	*Saturday to Friday*. Final Examinations.
May 4.	*Saturday*. Class Day. Alumni Day. June Meeting of the Phi Beta Kappa Society.
May 5.	*Sunday*. Commencement Sunday.
May 6.	*Monday*. Commencement Day.
June 29 to August 9.	Summer Session.
September 16.	*Monday*, 8 *a.m.* Beginning of first semester.

September 16 to September 18	*Monday to Wednesday.* Registration Days.
September 19.	*Thursday,* 9 *a.m.* Opening exercises in the College Chapel.
November 1.	*Friday.* Charter Day.
November 28.	*Thursday.* Thanksgiving Day.

Note. All recess and examination dates are inclusive.

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